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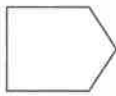
Shapes

Looking at the shapes in a question is often a good place to start.

Warm Up

1. How many **sides** does each shape have?

a.



5

b.



c.



d.



e.

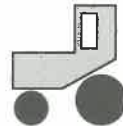
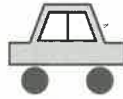
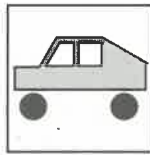


8

f.



2. How many of the **grey shapes** on the right have the **same number** of **sides** as the grey shape inside the square?

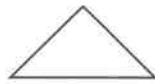
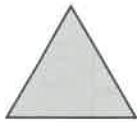


Number of **grey shapes** with same number of sides: 2

Find the Figure Like the First Two

Work out which option is most like the two figures on the left.

Example:



a



b



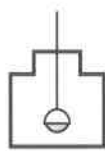
c



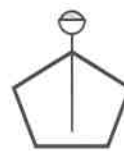
d

All figures must have three sides. (b)

3.



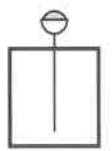
a



b



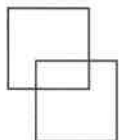
c



d

()

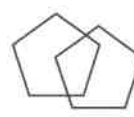
4.



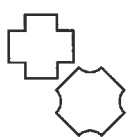
a



b



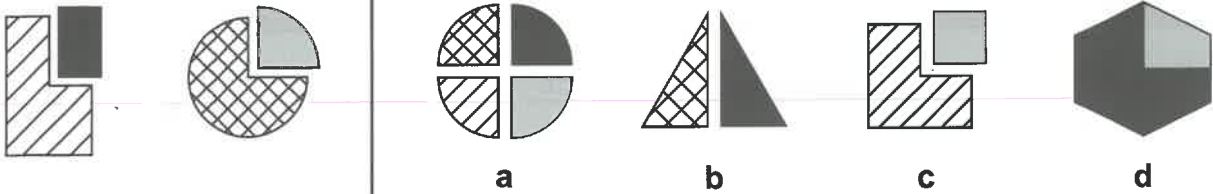
c



d

()

5.

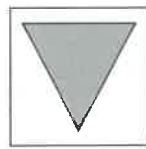
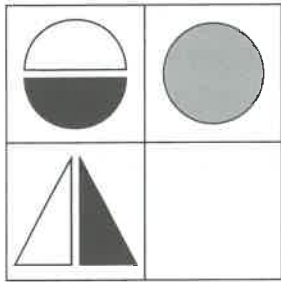


(___)

Complete the Grid

Work out which of the options best fits in place of the missing square in the grid.

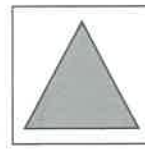
Example:



a



b



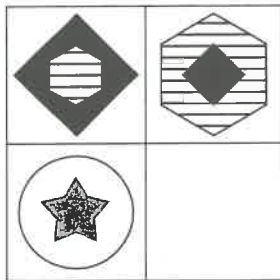
c



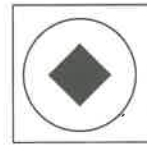
d

The black and white shapes combine to make a grey shape. (C)

6.



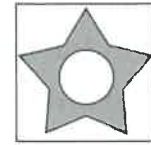
a



b



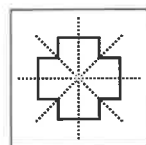
c



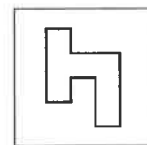
d

(___)

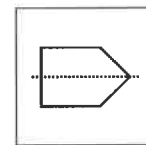
7.



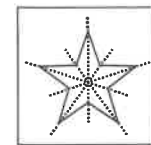
a



b



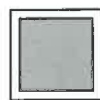
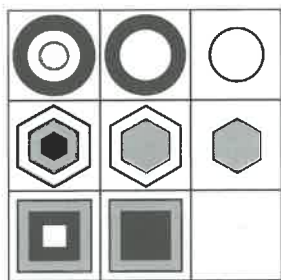
c



d

(___)

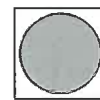
8.



a



b



c



d

(___)



Counting

A lot of questions can be solved by counting things like shapes or dots.

Warm Up

1. How many **circles** are there in each figure?

a.



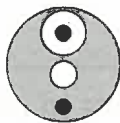
3

b.



3

c.



5

d.



4

e.



3

f.



7

2. How many of these cakes have the **same** number of **layers** as the one inside the square? How many have the **same** number of **cherries**?



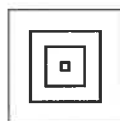
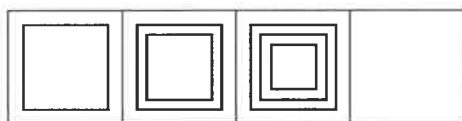
Number of cakes with the **same** number of **layers**: 5

Number of cakes with the **same** number of **cherries**: 5

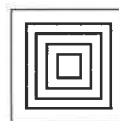
Complete the Series

Work out which of the options best fits in place of the missing square in the series.

Example:



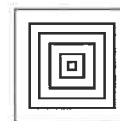
a



b



c



d

An extra square is added in each series square. (b)

3.



a



b



c



d

()

4.



a



b



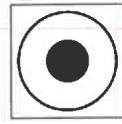
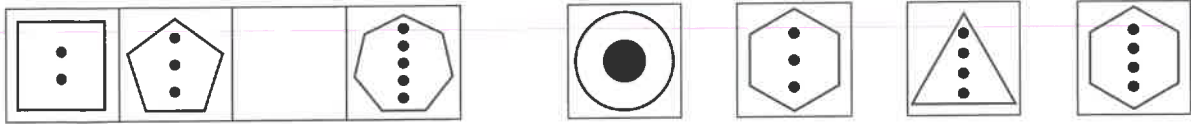
c



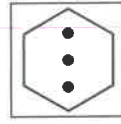
d

()

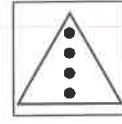
5.



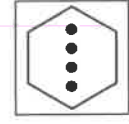
a



b



c



d

()

Find the Figure Like the First Three

Work out which option is most like the three figures on the left.

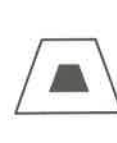
Example:



a



b



c



d

All figures must have two inner shapes that are identical to the outer shape apart from size and shading. (b)

6.



a



b



c



d

()

7.



a



b



c



d

()

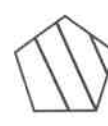
8.



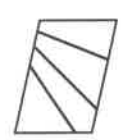
a



b



c



d

()



Pointing

The direction that an arrow points in is just as important as what it is pointing at.

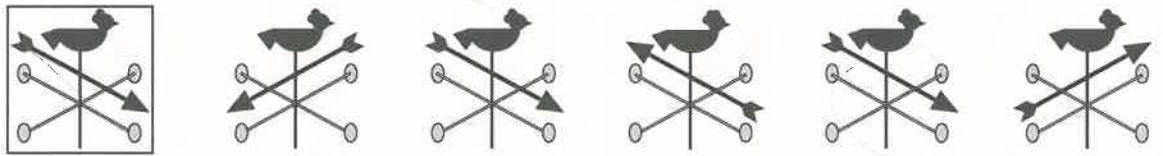
Warm Up

1. What **shape** is the **white arrow** pointing at?

a.	b.	c.	d.	e.	f.
square	triangle	star	circle	square	triangle

2. How many of the **arrows** on the right point in the **same direction** as the arrow in the square?

Arrows can also point in a clockwise or anticlockwise direction (see p.86).

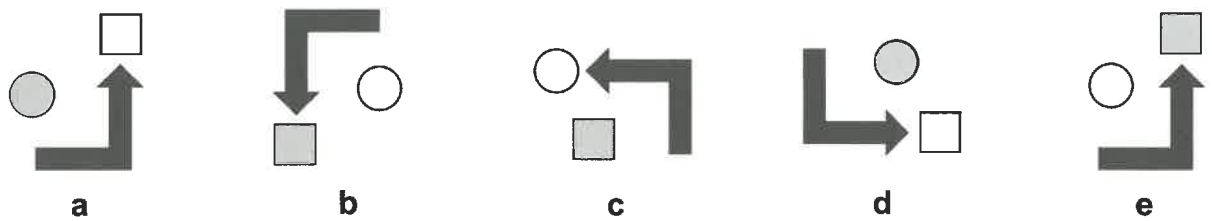


Number of **arrows** that point in the **same direction**: 2

Odd One Out

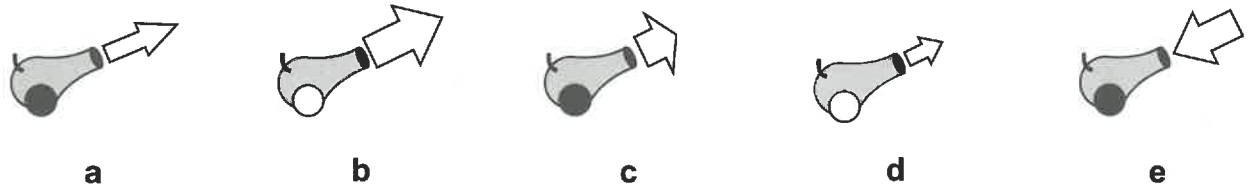
Find the figure in each row that is most unlike the other figures.

Example:



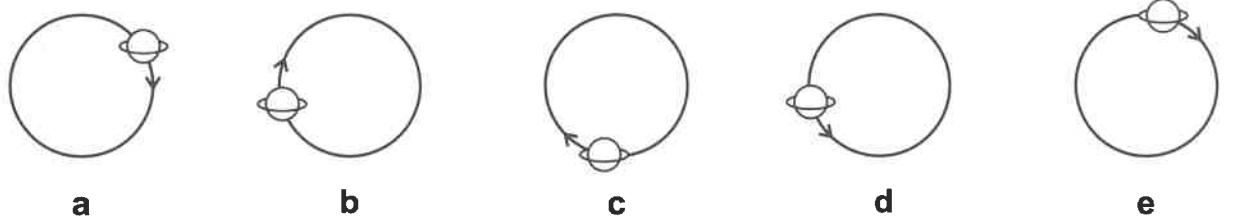
In all other figures, the arrow points towards a square. In C it points towards a circle. (C)

3.



()

4.



()

Shading and Line Types

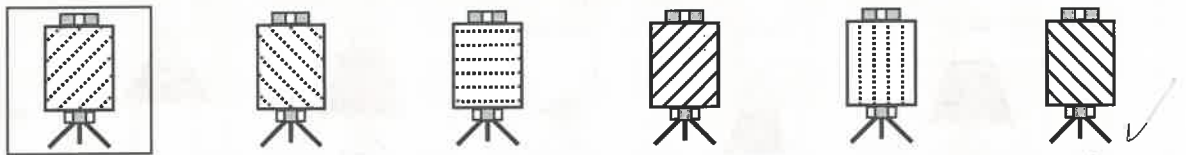
Warm Up

Shading is how a shape is coloured and line type is how its lines are drawn.

1. What **colour** are **most** of the shapes in each figure?

a.	b.	c.	d.	e.	f.
<u>grey</u>	<u>black</u>	<u>white</u>	<u>black</u>	<u>grey</u>	<u>white</u>

2. How many paintings have the **same direction of hatching** as the painting in the square? How many have the **same type of line** (dotted or solid)?

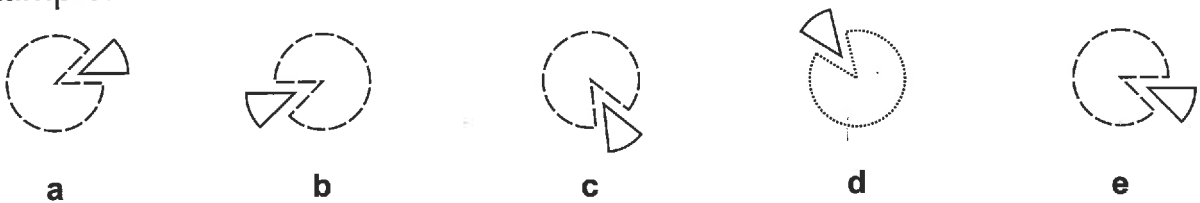


Number of paintings with the **same direction of hatching**: 3
 Number of paintings with the **same type of line**: 3

Odd One Out

Find the figure in each row that is most unlike the other figures.

Example:



In all other figures, the big shape has a dashed outline. In D it has a dotted outline. (d)

3.

a	b	c	d	e
(<u> </u>)				

4.

a	b	c	d	e
(<u> </u>)				



Order and Position

Shapes can be in different positions inside a figure. They can also change order.

Warm Up

1. Which shape is **one place clockwise** from the **circle** in each figure?

a.



star

b.



c.



d.



e.



2. How many figures on the right have the **same order** of **shapes** going from top to bottom as the figure inside the square (ignoring size)?

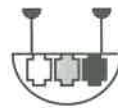


Number of figures with the **same order** of **shapes**: ____

Find the Figure Like the First Three

Work out which option is most like the three figures on the left.

Example:



a



b



c



d

In all figures, the three inner shapes go from left to right in the order: black, grey, white. (d)

3.



a



b



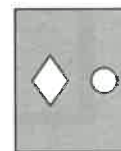
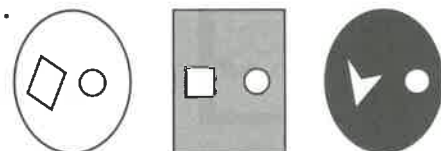
c



d

(____)

4.



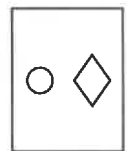
a



b

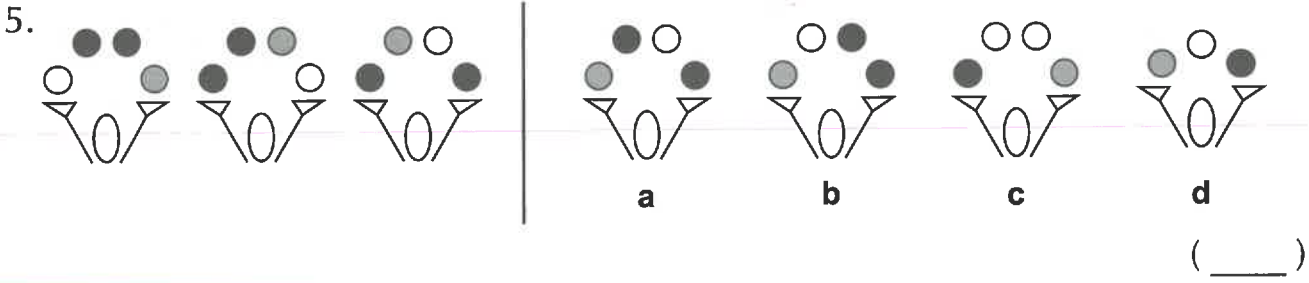


c



d

(____)

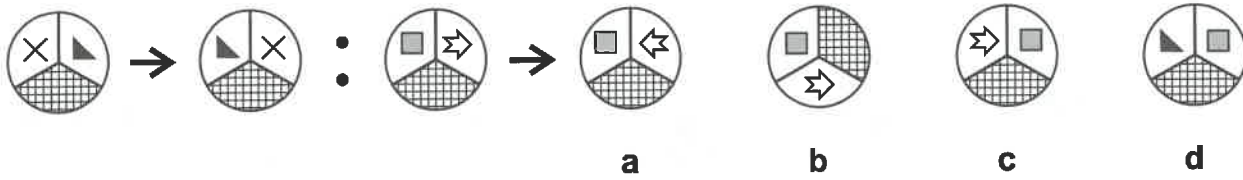
5. 

()

Complete the Pair

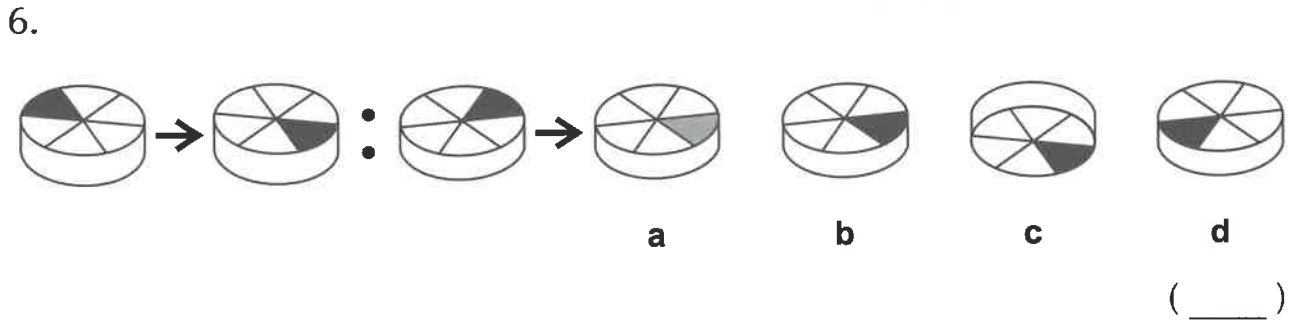
Look at how the first figure is changed, and then work out which option would look like the third figure if you changed it in the same way.

Example:

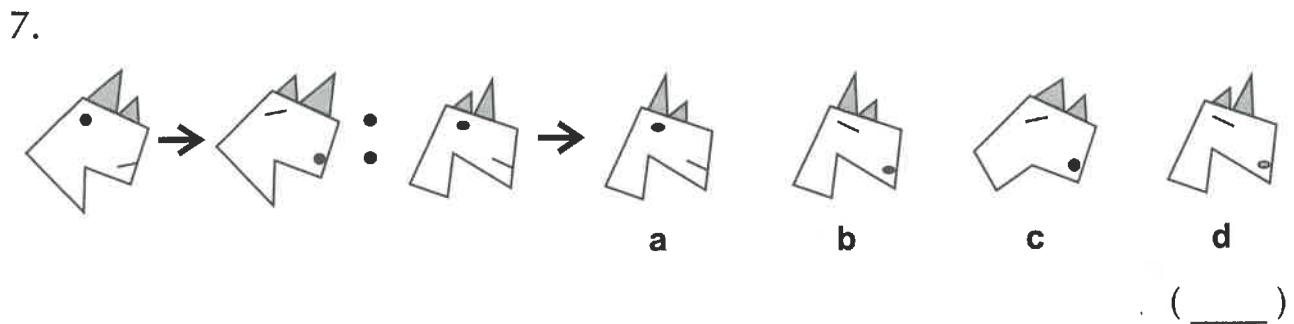


a **b** **c** **d**

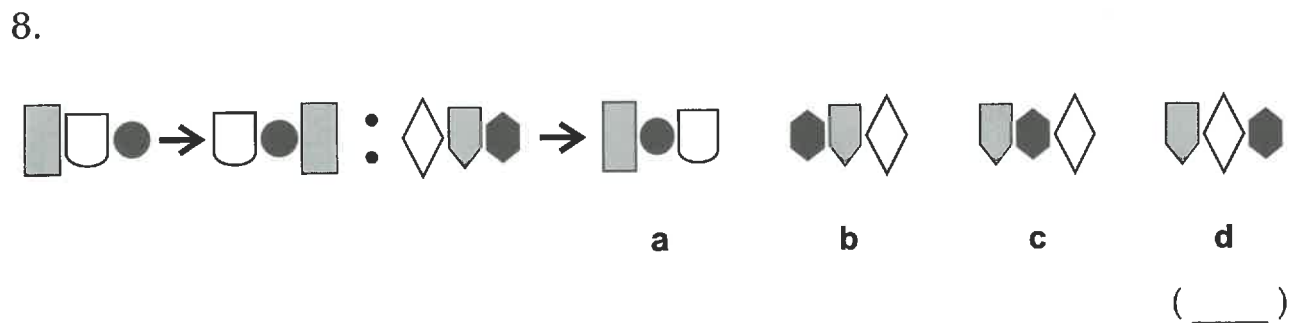
The top left-hand shape and the top right-hand shape swap places. (C)

6. 

()

7. 

()

8. 

()





Rotation


Shapes can be rotated (turned) by different amounts, and in two different directions.


Warm Up


1. The **black** shapes are rotated **90 degrees** to become the **white** shapes. Work out if they are rotated clockwise (C) or anticlockwise (A).


a.  C

b. 

c. 

d. 

e. 

f. 

2. How many figures on the right are **identical** to the figure inside the square apart from being **rotated differently**?

See p.86 for more about rotation.





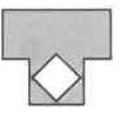
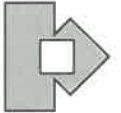
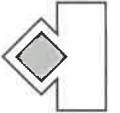

Number of **identical** figures:

Rotate the Figure



Work out which option would look like the figure on the left if it was rotated.





Example:

 **Rotate** 

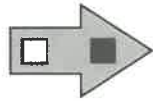

a.  **b.**  **c.**  **d.** 

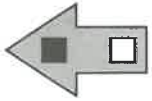
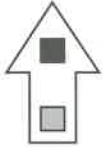
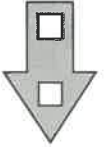

The figure rotates 90 degrees clockwise. (d)

3.  **Rotate** 

a.  **b.**  **c.**  **d.** 

()

4.  **Rotate** 

a.  **b.**  **c.**  **d.** 

()

5.

Complete the Series

Work out which of the options best fits in place of the missing square in the series.

Example:

The figure rotates 45 degrees anticlockwise in each series square. (a)

6.

7.


8.


Reflection


The reflection of a shape is how it would look in a mirror.


Warm Up


1. Is the black shape a **sideways reflection** of the white shape?


a.  yes

b.  _____

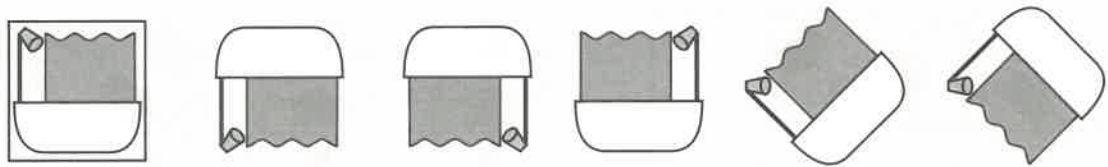
c.  _____

d.  _____

e.  _____

f.  _____

2. How many of these figures are **reflections** of the figure inside the square? The reflections might be **rotated**.




Number of **reflections**: _____





Reflect the Figure

Work out which option would look like the figure on the left if it was reflected over the line.

Example:


Reflect







 **a**
 **b**
 **c**
 **d**

A is a 180 degree rotation, B has the wrong shading and C is a downwards reflection. (d)


3. **Reflect**







 **a**
 **b**
 **c**
 **d**

(_____)

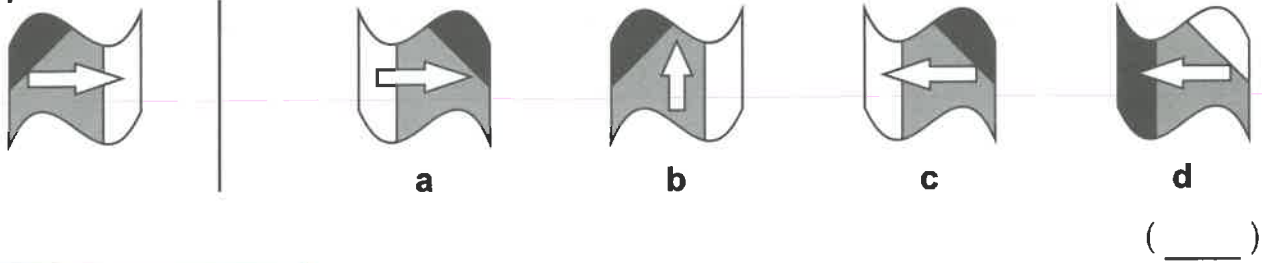
4. **Reflect**



 **a**
 **b**
 **c**
 **d**

(_____)

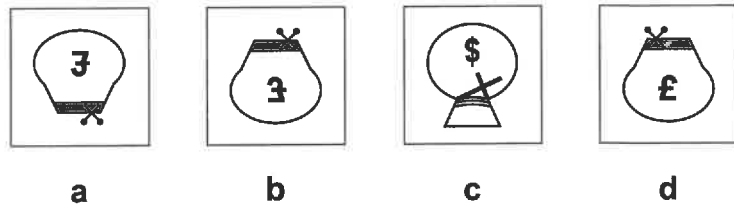
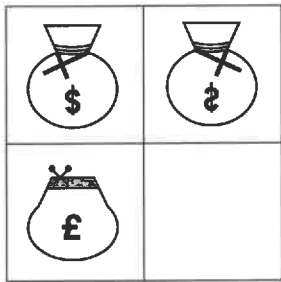
5. Reflect



Complete the Grid

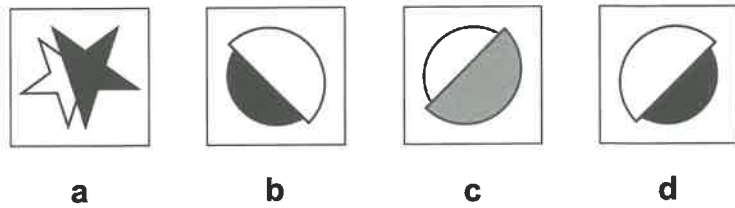
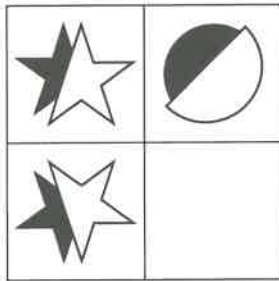
Work out which of the options best fits in place of the missing square in the grid.

Example:



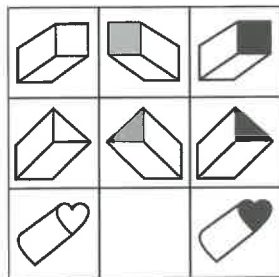
Working from left to right, the figure reflects across. (b)

6.



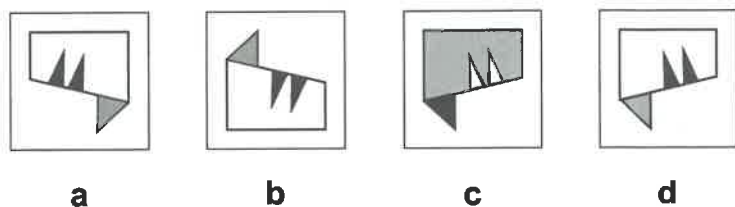
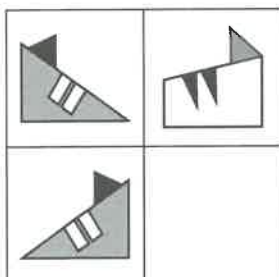
()

7.



()

8.



()

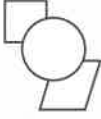


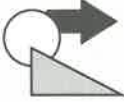
Layering


Shapes are layered if they overlap each other.


Warm Up


1. What **shape** is at the **front** of each of the figures below?


a.  _____
circle

b.  _____


c.  _____

d.  _____

e.  _____

f.  _____

2. How many ice creams have a **front scoop** that is **hatched**, and a **back scoop** that is **grey**?





Number of ice creams: _____

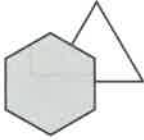
Odd One Out

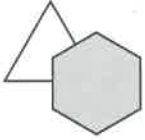
Find the figure in each row that is most unlike the other figures.


Example:

a.  **a**

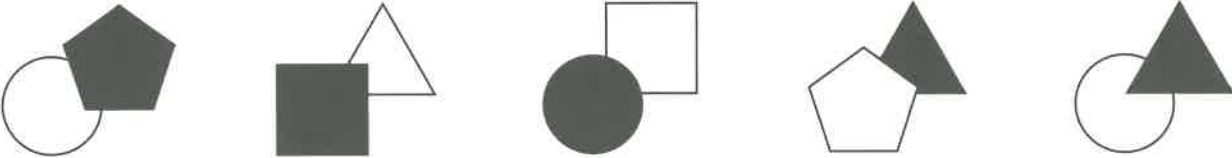
b.  **b**

c.  **c**


d.  **d**

e.  **e**

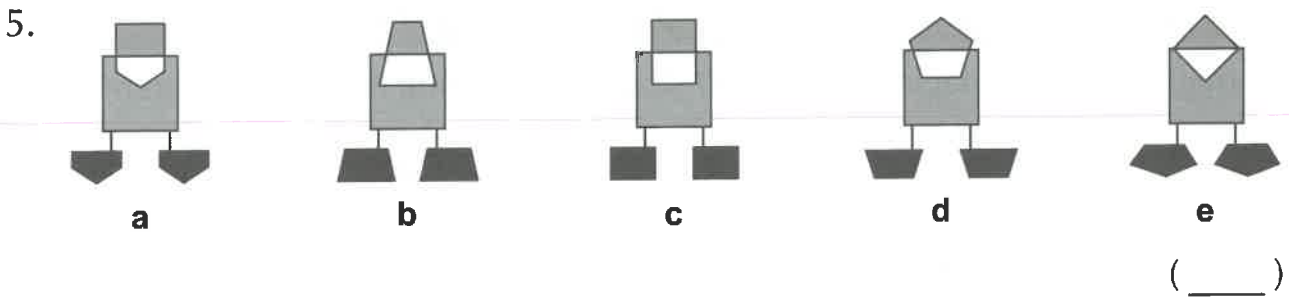
In all other figures, the hexagon is in front of the triangle. (b)

3. 

(_____)

4. 

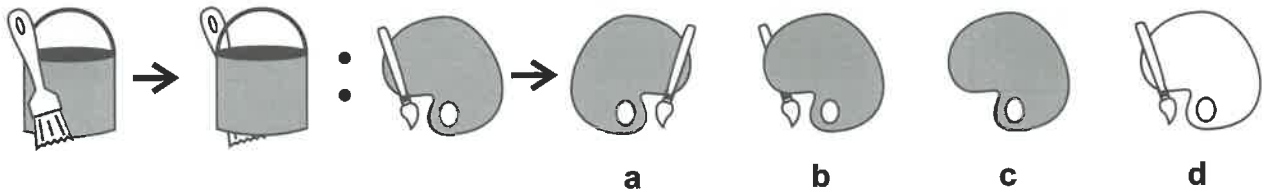
(_____)



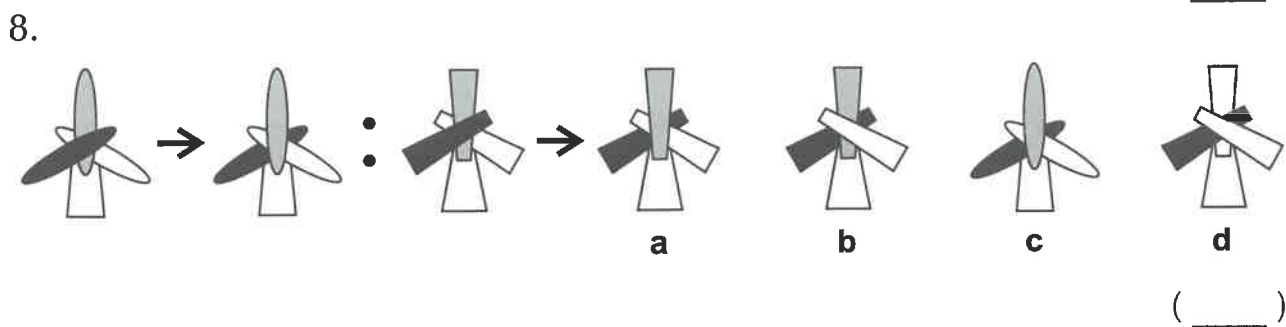
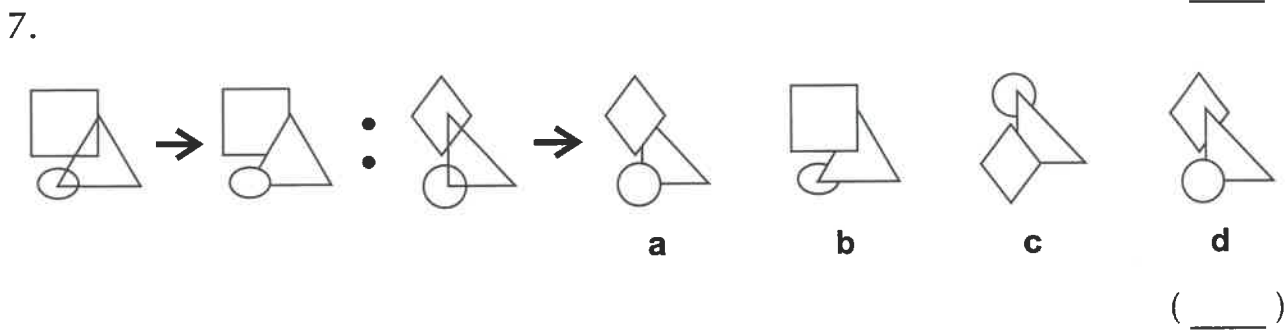
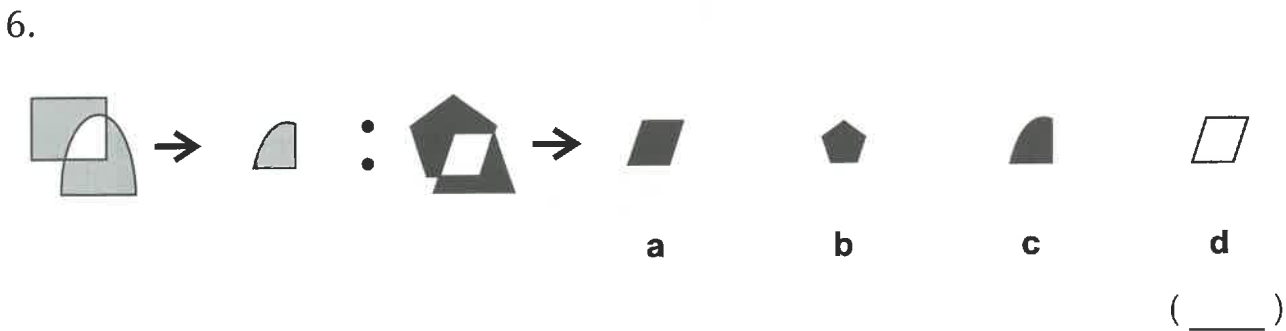
Complete the Pair

Look at how the first figure is changed, and then work out which option would look like the third figure if you changed it in the same way.

Example:



The shape at the front moves to the back. (b)





3D Shapes

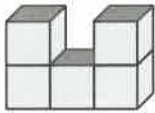
You might need to imagine what a 3D shape would look like from different angles.

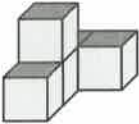
Warm Up


1. If you looked at each figure from **above**, how many cubes could you see?

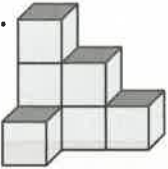
a.  2

b.  _____

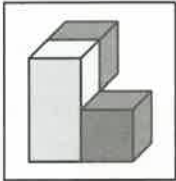
c.  _____

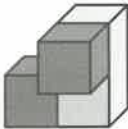
d.  _____

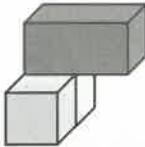
e.  _____

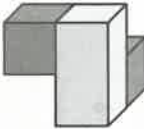
f.  _____

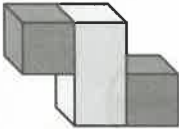
2. How many of these figures are **different views** of the figure in the square?









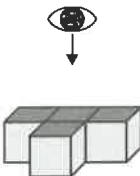


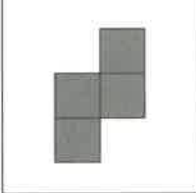
Number of figures: _____


Look at the Figure from the Top

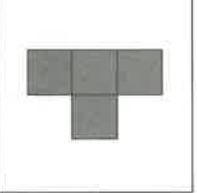
Look at the figure on the left. What would it look like if you saw it from the top? Choose the option on the right which looks like this.


Example:



a. 

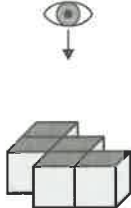
b. 

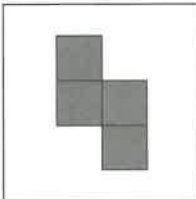
c. 

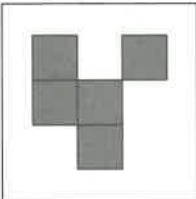
d. 

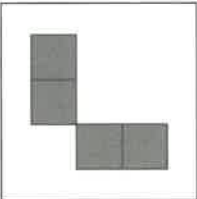
Four cubes are visible from the top and there is one cube at the front of the figure. (C)

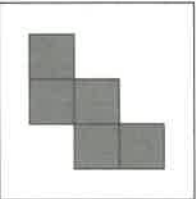
3.



a. 

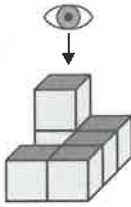
b. 

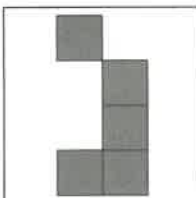
c. 

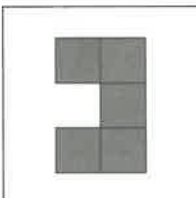
d. 

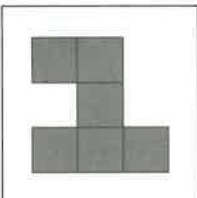
(_____)


4.



a. 

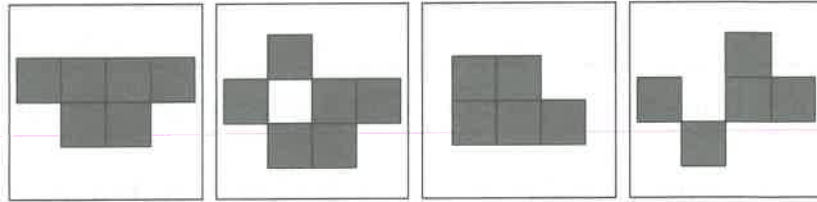
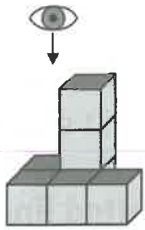
b. 

c. 

d. 

(_____)

5.



a

b

c

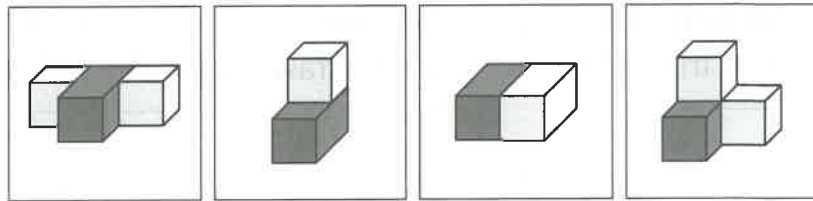
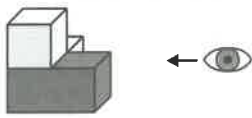
d

()

Look at the Figure from the Right

Look at the figure on the left. What would it look like if you saw it from the right-hand side? Choose the option on the right which looks like this.

Example:



a

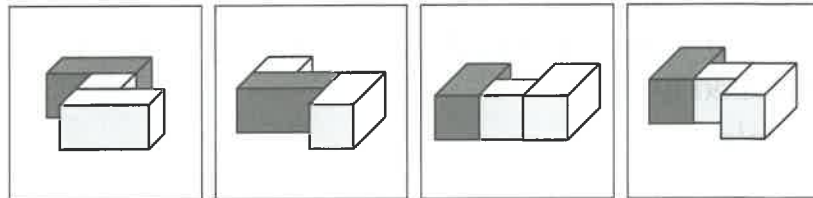
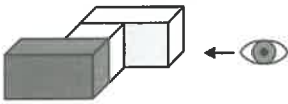
b

c

d

There is a long grey block with one white cube on top and another on the right-hand side. (d)

6.



a

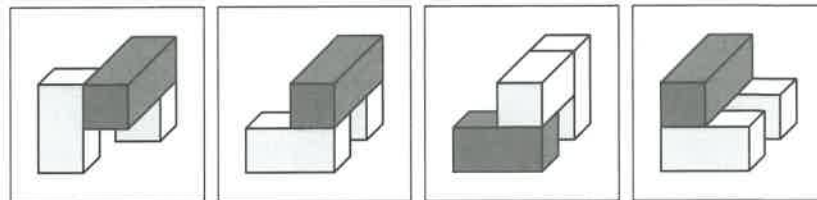
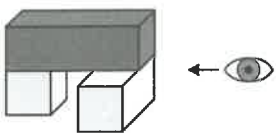
b

c

d

()

7.



a

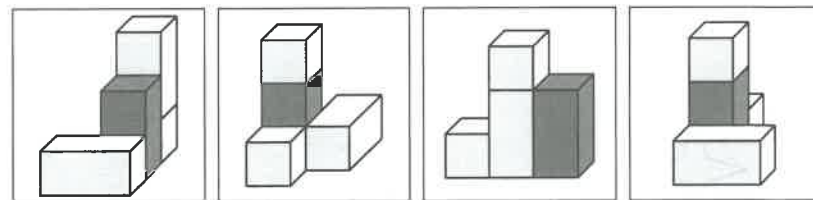
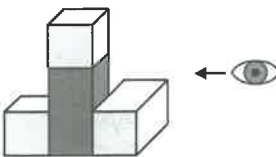
b

c

d

()

8.



a

b

c

d

()

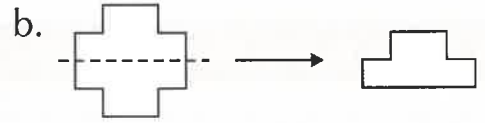
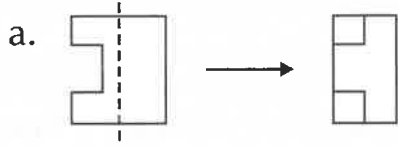


Folding

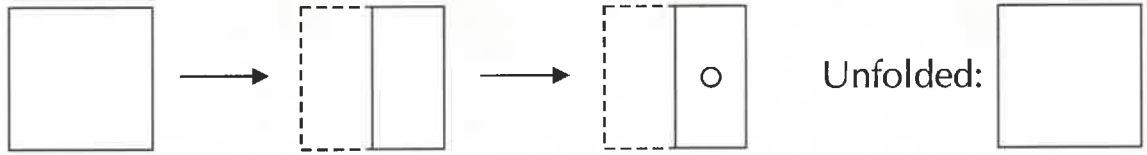
Some questions might ask you to imagine folding and unfolding 2D shapes.

Warm Up

1. Imagine that the shape on the left is **folded** along the **dotted line**. Does the figure on the right correctly show the **folded shape**? Write **yes** or **no**.



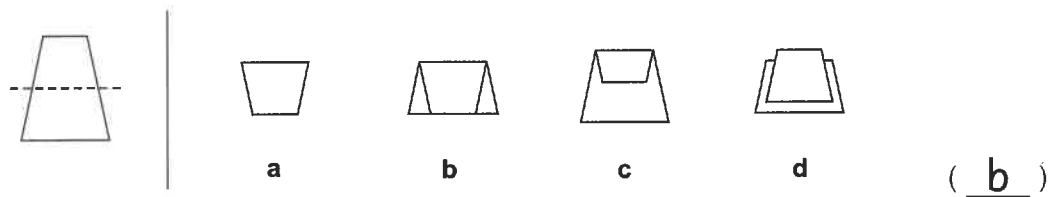
2. The square on the left is **folded** in half and then a circle is **punched** through it. Imagine that the square is then **unfolded**. On the right hand square, draw where the **holes** would be.



Fold Along the Line

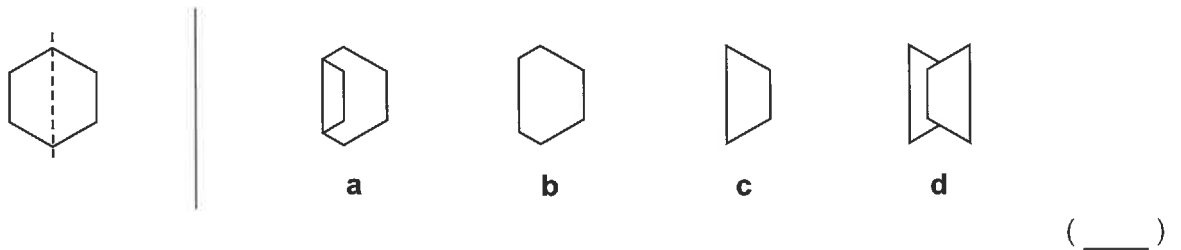
Work out which option shows the figure on the left when folded along the dotted line.

Example:

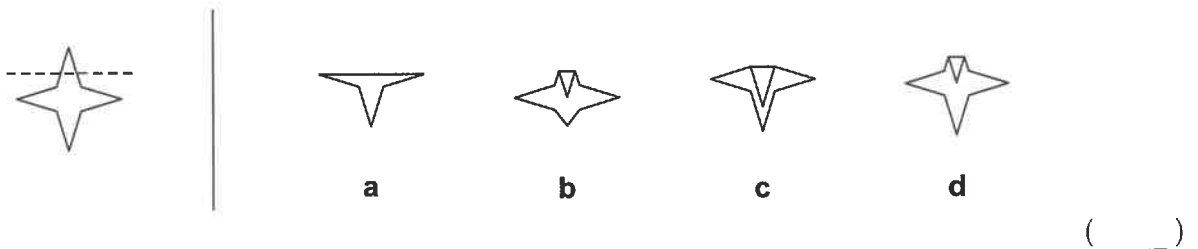


In option A, the part of the figure originally below the fold line should still be visible.
In option C, the fold line has moved. Option D has been broken apart along the fold line.

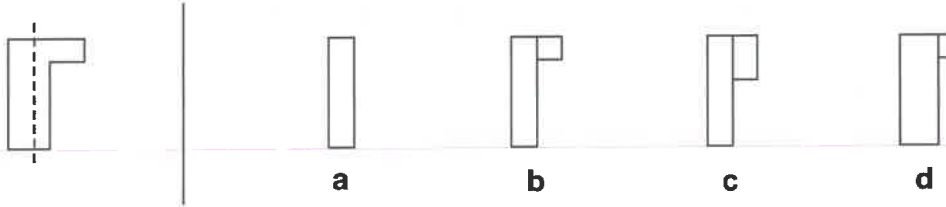
3.



4.



5.

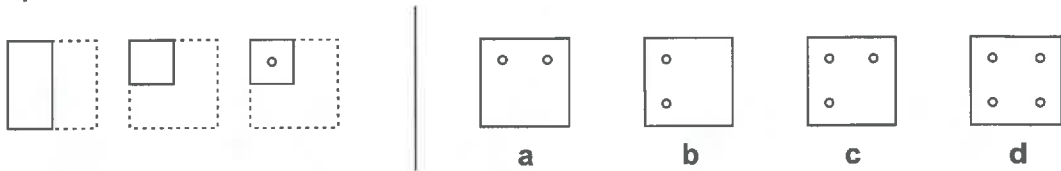


()

Fold and Punch

A square is folded and then a hole is punched, as shown on the left. Work out which option shows the square when unfolded.

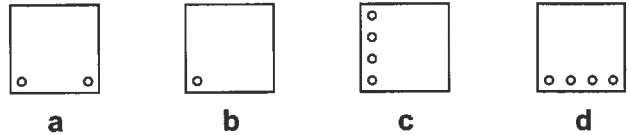
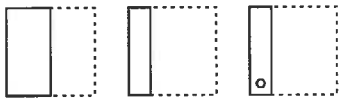
Example:



(d)

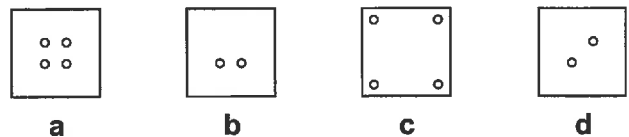
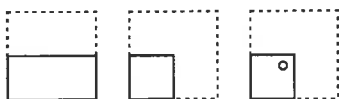
Unfold the figure, one fold at a time:

6.



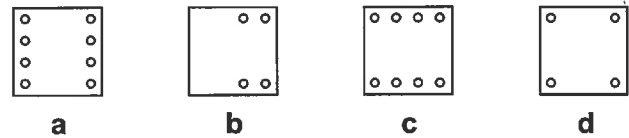
()

7.



()

8.



()



Assessment Test 1

This book contains eleven assessment tests, which get harder as you work through them to help you improve your NVR skills.

Allow around 15 minutes to do each test and work as quickly and as carefully as you can.

If you want to attempt each test more than once, you will need to print **multiple-choice answer sheets** for these questions from our website — go to cgpbooks.co.uk/11plus/answer-sheets. If you'd prefer to answer the questions on the page, just follow the instructions in the question.

Section 1 — Odd One Out

Find the figure in each row that is most unlike the other figures.

Example:



a



b



c



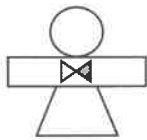
d



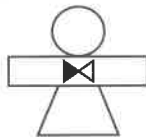
e

Answer: a

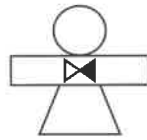
1



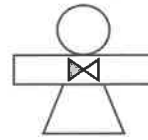
a



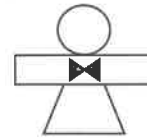
b



c

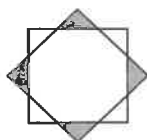


d

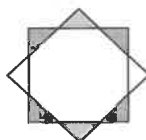


e

2



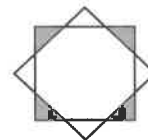
a



b



c



d



e

3



a



b



c



d



e

4



a



b



c



d



e

5



a



b



c



d

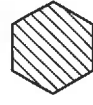


e

Section 2 — Find the Figure Like the First Two

Work out which option is most like the two figures on the left.

Example:



a

b

c

d

Answer: a

1



a

b

c

d

2



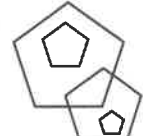
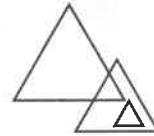
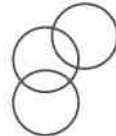
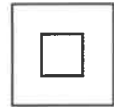
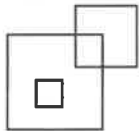
a

b

c

d

3



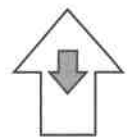
a

b

c

d

4



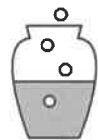
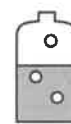
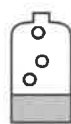
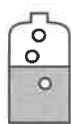
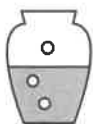
a

b

c

d

5



a

b

c

d

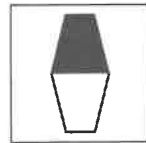
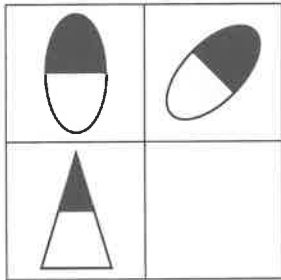
/ 5

Carry on to the next question → →

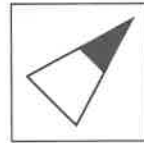
Section 3 — Complete the Grid

Work out which of the options best fits in place of the missing square in the grid.

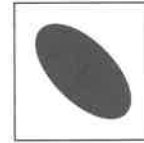
Example:



a



b



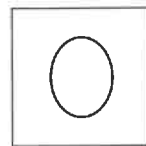
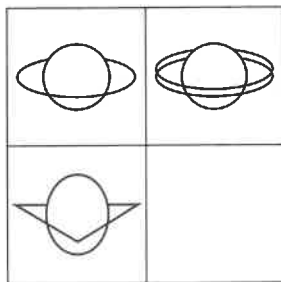
c



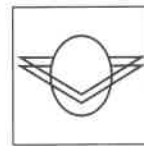
d

Answer: b

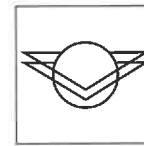
1



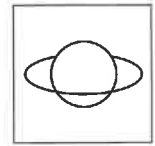
a



b

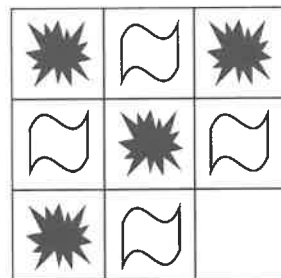


c



d

2



a



b

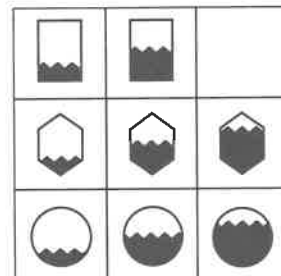


c



d

3



a



b

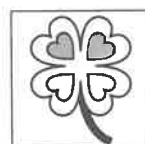
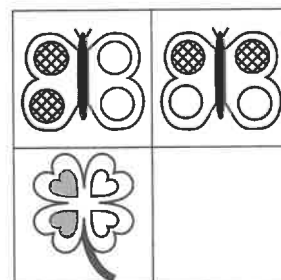


c

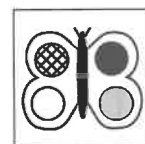


d

4



a



b



c



d

Section 4 — Rotate the Figure

Work out which option would look like the figure on the left if it was rotated.

Example:

Rotate

a b c d

Answer: b

1 Rotate

a b c d

2 Rotate

a b c d

3 Rotate

a b c d

4 Rotate

a b c d

5 Rotate

a b c d

/ 5

Carry on to the next question → →

Section 5 — Reflect the Figure

Work out which option would look like the figure on the left if it was reflected over the line.

Example:

Reflect

Answer: a

1 Reflect

2 Reflect

3 Reflect

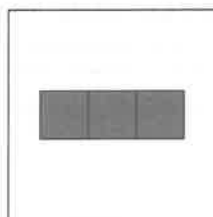
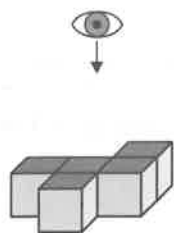
4 Reflect

5 Reflect

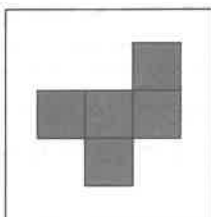
Section 6 — Look at the Figure from the Top

Look at the figure on the left. What would it look like if you saw it from the top?
Choose the option on the right which looks like this.

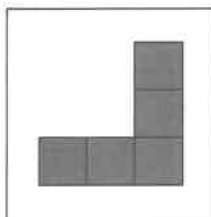
Example:



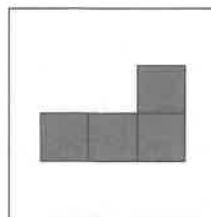
a



b



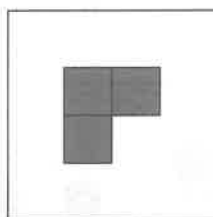
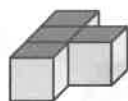
c



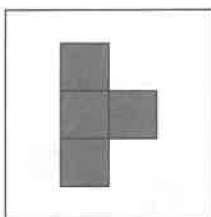
d

Answer: b

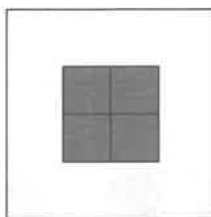
1



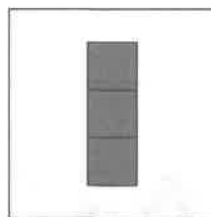
a



b

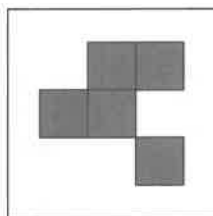


c

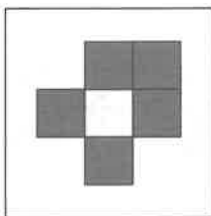


d

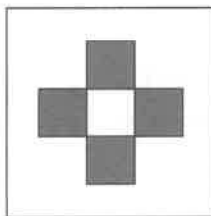
2



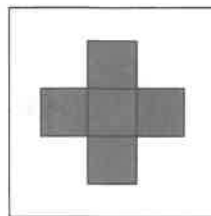
a



b

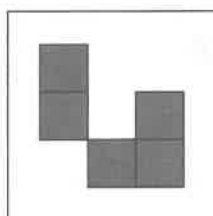
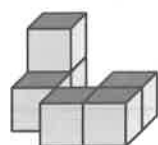


c

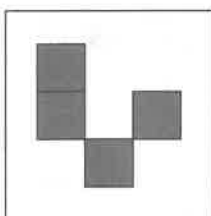


d

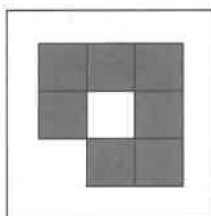
3



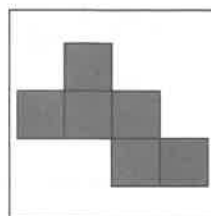
a



b

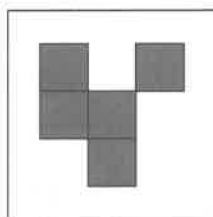
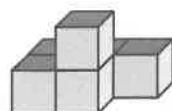


c



d

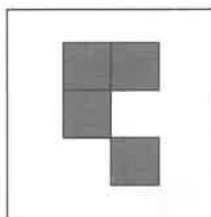
4



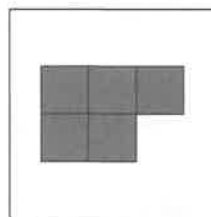
a



b



c



d

/ 4

Total / 28

End of Test

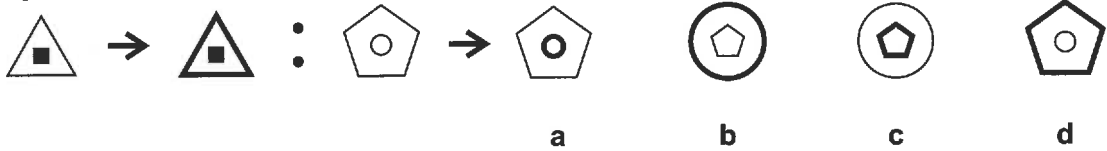
Assessment Test 2

You can print **multiple-choice answer sheets** for these questions from our website — go to cgpbooks.co.uk/11plus/answer-sheets. If you'd prefer to answer them in standard write-in format, just circle the letter underneath your answer. The test should take around 15 minutes.

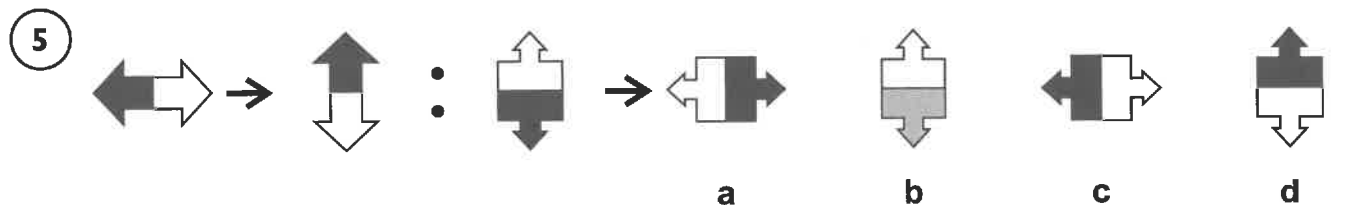
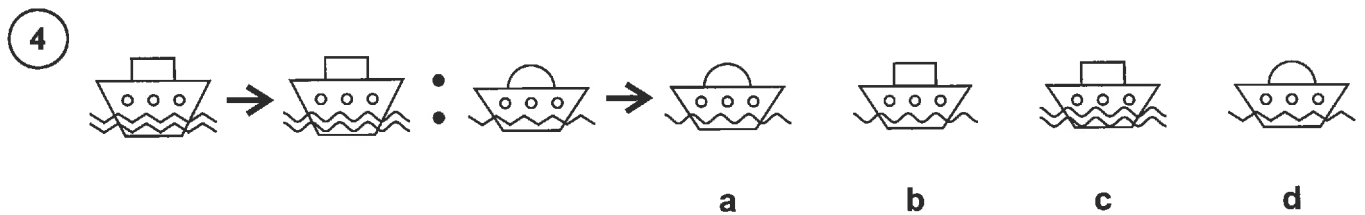
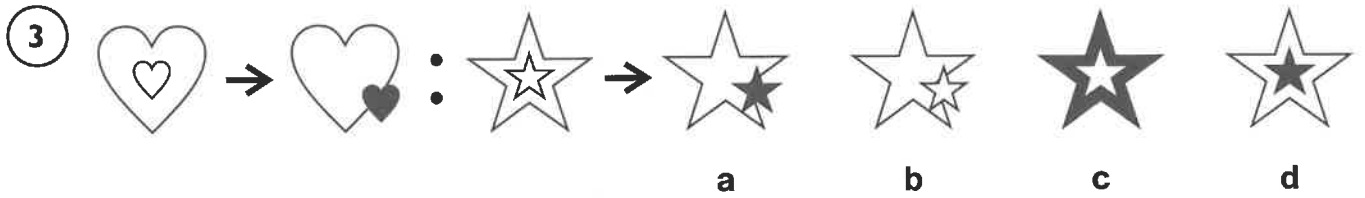
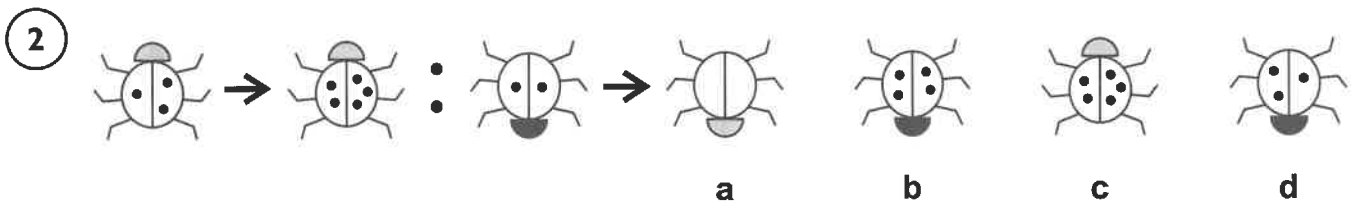
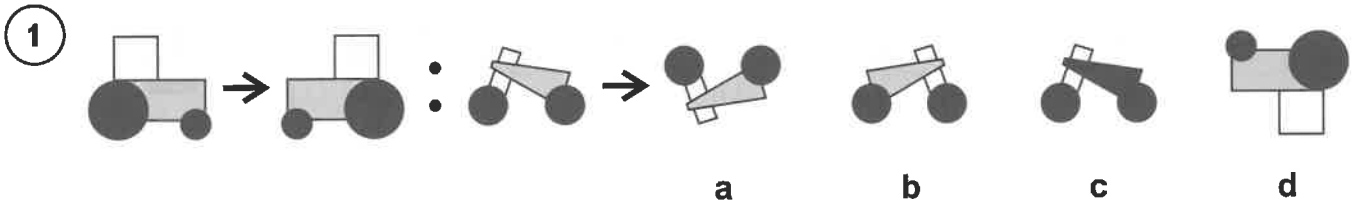
Section 1 — Complete the Pair

Look at how the first figure is changed, and then work out which option would look like the third figure if you changed it in the same way.

Example:



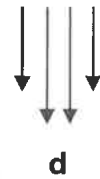
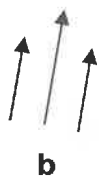
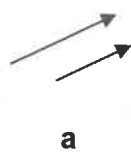
Answer: d



Section 2 — Rotate the Figure

Work out which option would look like the figure on the left if it was rotated.

Example:

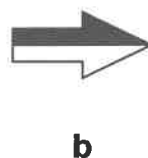
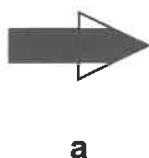


Answer: b

1



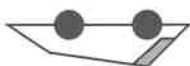
Rotate



2



Rotate



3



Rotate



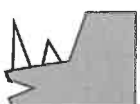
4



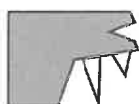
Rotate



5



Rotate



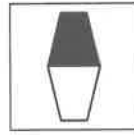
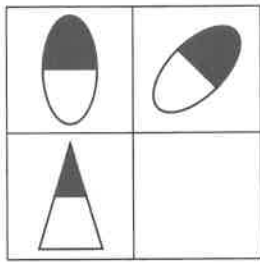
/ 5

Carry on to the next question → →

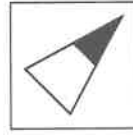
Section 3 — Complete the Grid

Work out which of the options best fits in place of the missing square in the grid.

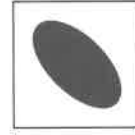
Example:



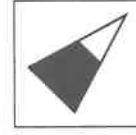
a



b



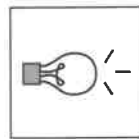
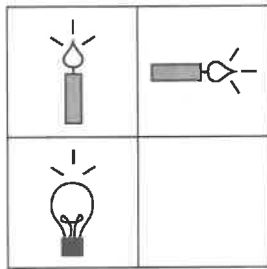
c



d

Answer: b

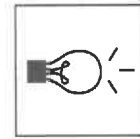
1



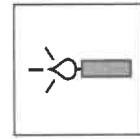
a



b

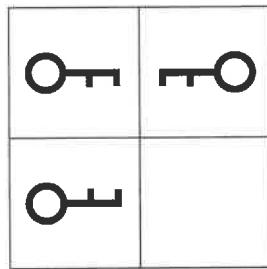


c

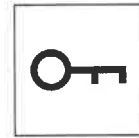


d

2



a



b

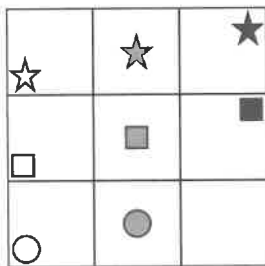


c



d

3



a



b

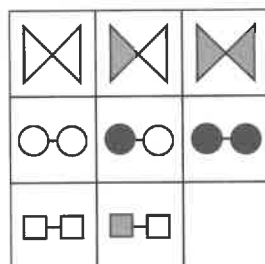


c



d

4



a



b



c



d

Section 4 — Find the Figure Like the First Three

Work out which option is the most like the three figures on the left.

Example:



a b c d e

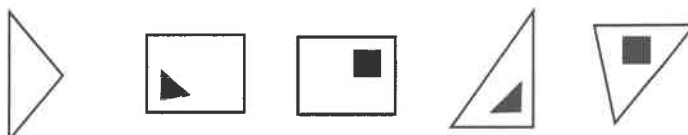
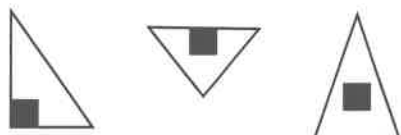
Answer: b

1



a b c d e

2



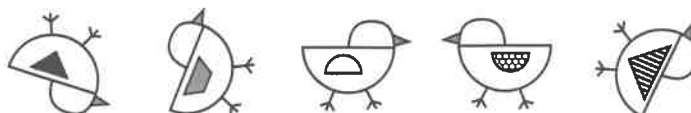
a b c d e

3



a b c d e

4



a b c d e

5



a b c d e

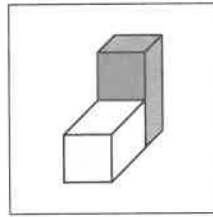
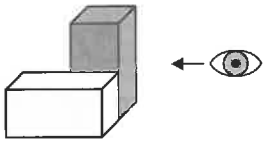
/ 5

Carry on to the next question → →

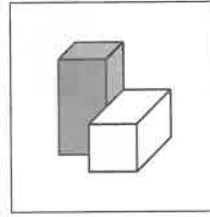
Section 5 — Look at the Figure from the Right

Look at the figure on the left. What would it look like if you saw it from the right-hand side? Choose the option on the right which looks like this.

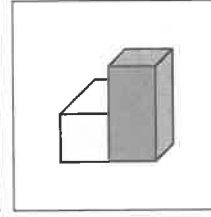
Example:



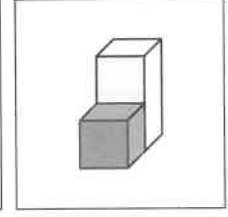
a



b



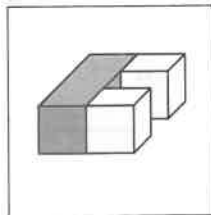
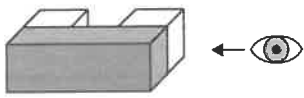
c



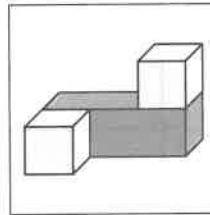
d

Answer: c

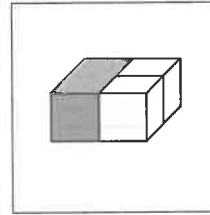
1



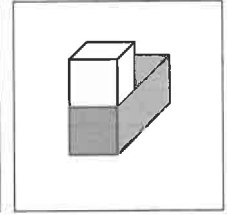
a



b

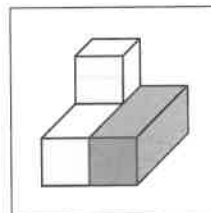
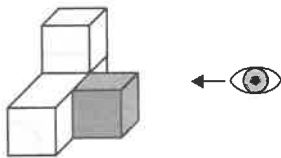


c

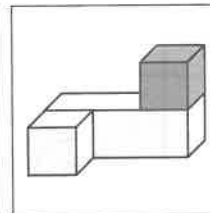


d

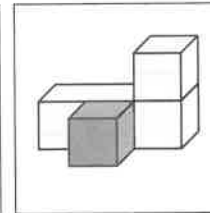
2



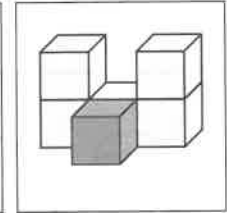
a



b

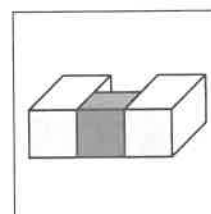
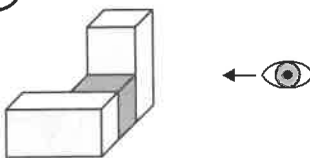


c

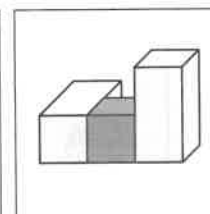


d

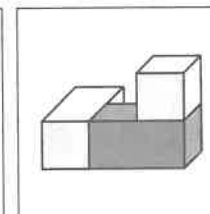
3



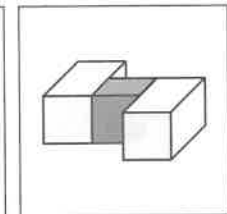
a



b

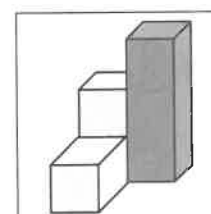
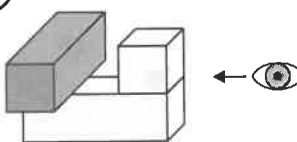


c

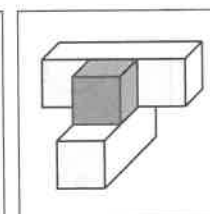


d

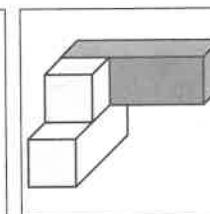
4



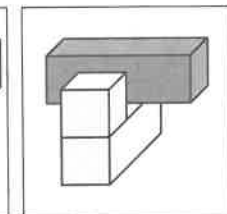
a



b



c



d

Section 6 — Reflect the Figure

Work out which option would look like the figure on the left if it was reflected over the line.

Example:

Reflect



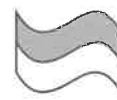
a



b



c

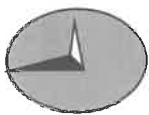


d

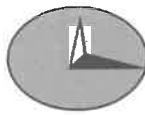
Answer: a

1

Reflect



a



b



c



d

2

Reflect



a



b



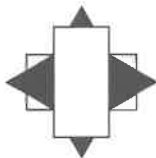
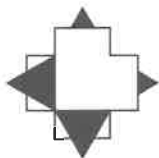
c



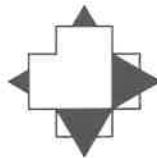
d

3

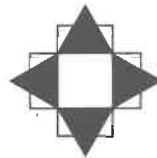
Reflect



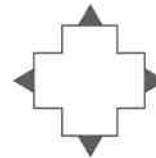
a



b



c



d

4

Reflect



a



b



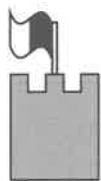
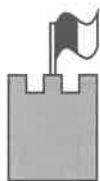
c



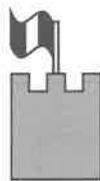
d

5

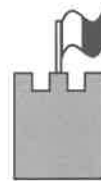
Reflect



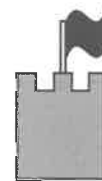
a



b



c



d

/ 5

Total / 28

End of Test

Assessment Test 2

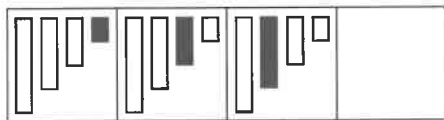
Assessment Test 3

You can print **multiple-choice answer sheets** for these questions from our website — go to cgpbooks.co.uk/11plus/answer-sheets. If you'd prefer to answer them in standard write-in format, just circle the letter underneath your answer. The test should take around 15 minutes.

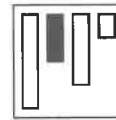
Section 1 — Complete the Series

Work out which of the options best fits in place of the missing square in the series.

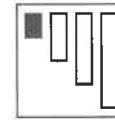
Example:



a



b



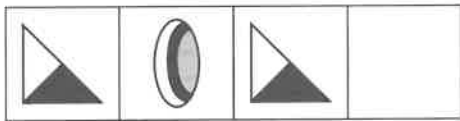
c



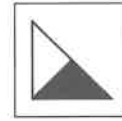
d

Answer: d

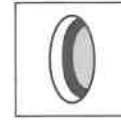
1



a



b

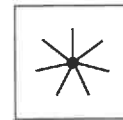
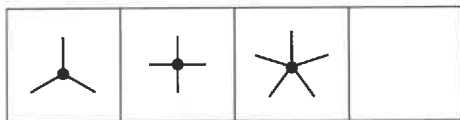


c



d

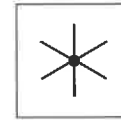
2



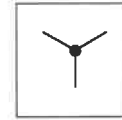
a



b

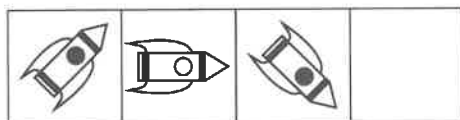


c

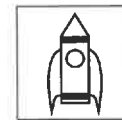


d

3



a



b

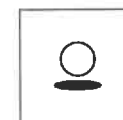


c



d

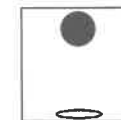
4



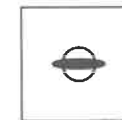
a



b

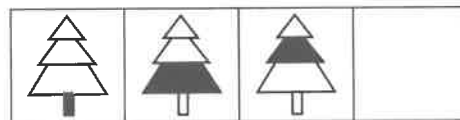


c



d

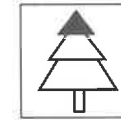
5



a



b



c

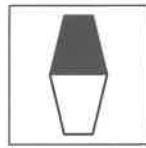
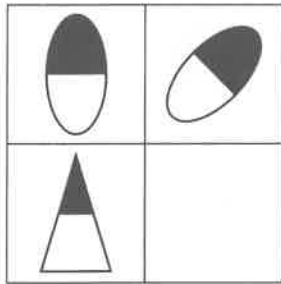


d

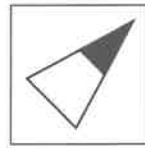
Section 2 — Complete the Grid

Work out which of the options best fits in place of the missing square in the grid.

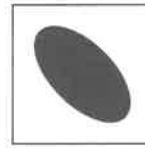
Example:



a



b



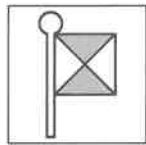
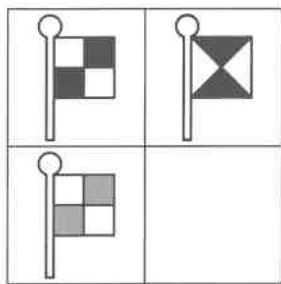
c



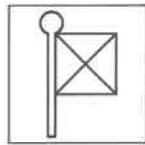
d

Answer: b

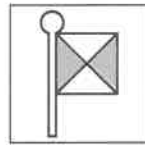
1



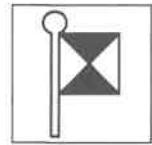
a



b

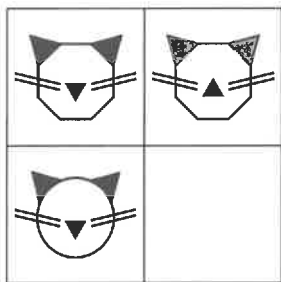


c



d

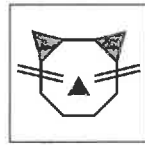
2



a



b

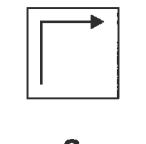
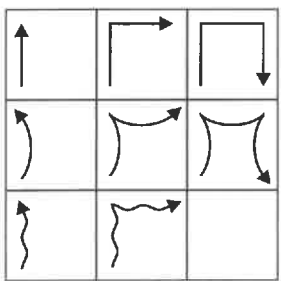


c

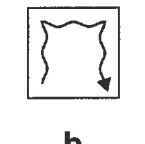


d

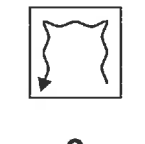
3



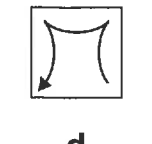
a



b

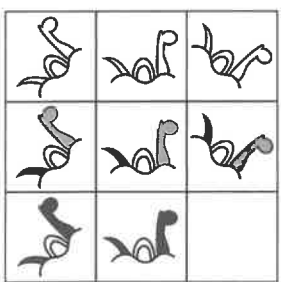


c

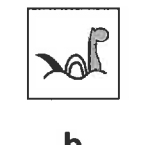


d

4



a



b



c



d

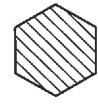
/ 4

Carry on to the next question → →

Section 3 — Find the Figure Like the First Two

Work out which option is most like the two figures on the left.

Example:



a

b

c

d

Answer: a

1



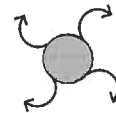
a

b

c

d

2



a

b

c

d

3



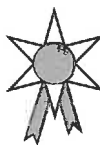
a

b

c

d

4



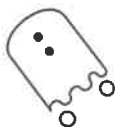
a

b

c

d

5



a

b

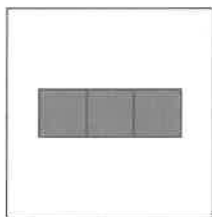
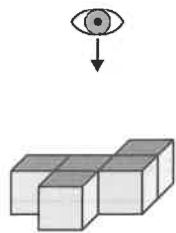
c

d

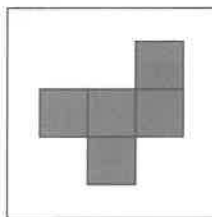
Section 4 — Look at the Figure from the Top

Look at the figure on the left. What would it look like if you saw it from the top?
Choose the option on the right which looks like this.

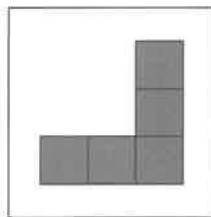
Example:



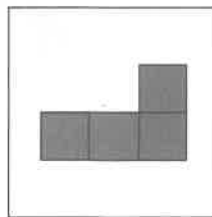
a



b



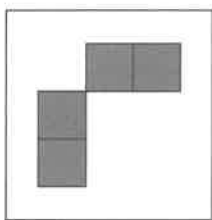
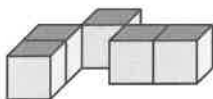
c



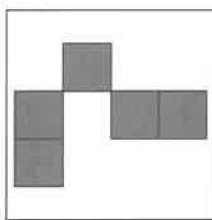
d

Answer: b

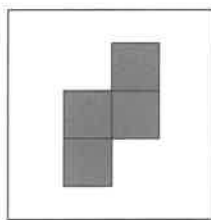
1



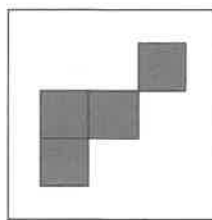
a



b

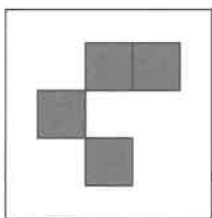
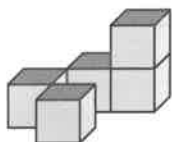


c

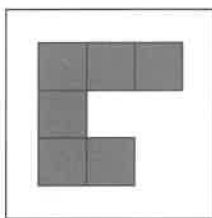


d

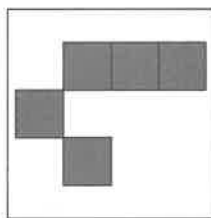
2



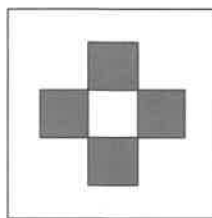
a



b

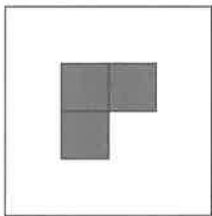
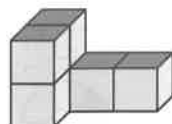


c

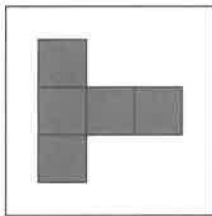


d

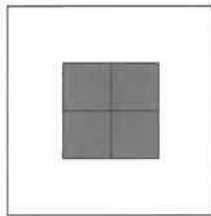
3



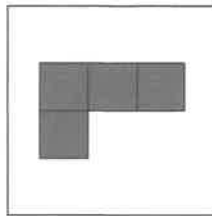
a



b

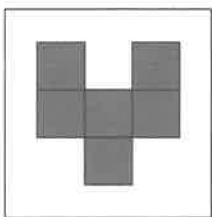
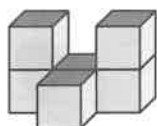


c

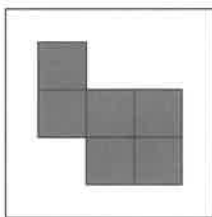


d

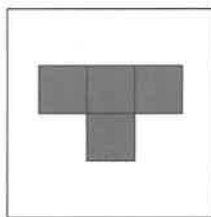
4



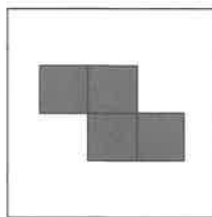
a



b



c



d

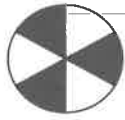
/ 4

Carry on to the next question → →

Section 5 — Odd One Out

Find the figure in each row that is most unlike the other figures.

Example:



a



b



c



d



e

Answer: a

1



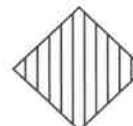
a



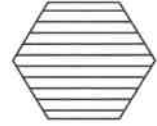
b



c

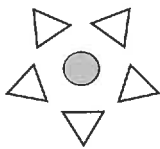


d

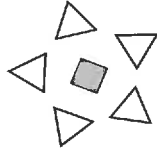


e

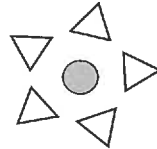
2



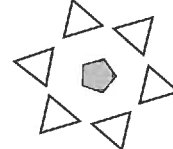
a



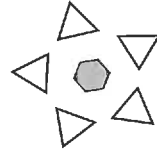
b



c



d



e

3



a



b



c



d

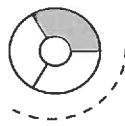


e

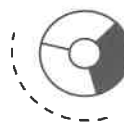
4



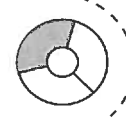
a



b



c



d



e

5



a



b



c



d



e

Section 6 — Reflect the Figure

Work out which option would look like the figure on the left if it was reflected over the line.

Example: Reflect



a



b



c

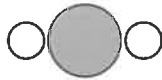


d

Answer: a

1

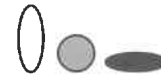
Reflect



a



b



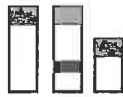
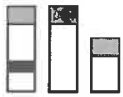
c



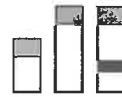
d

2

Reflect



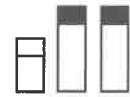
a



b



c



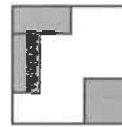
d

3

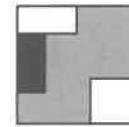
Reflect



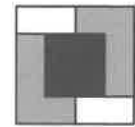
a



b



c



d

4

Reflect



a



b



c



d

5

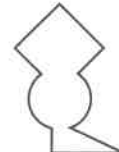
Reflect



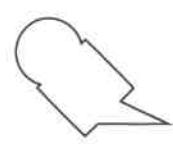
a



b



c



d

/ 5

Total / 28

End of Test

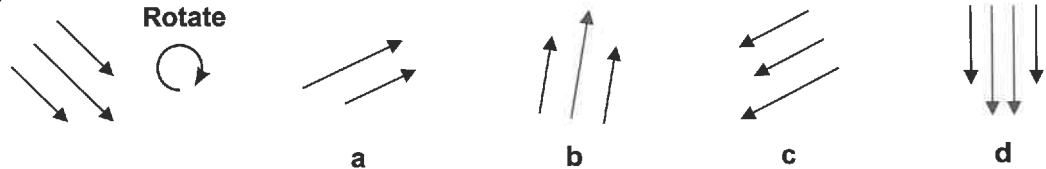
Assessment Test 4

You can print **multiple-choice answer sheets** for these questions from our website — go to cgpbooks.co.uk/11plus/answer-sheets. If you'd prefer to answer them in standard write-in format, just circle the letter underneath your answer. The test should take around 15 minutes.

Section 1 — Rotate the Figure

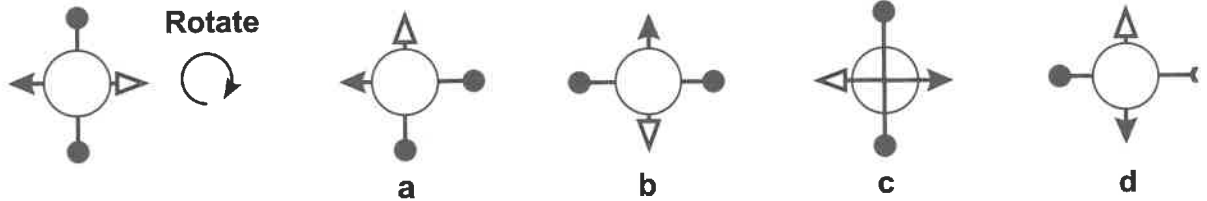
Work out which option would look like the figure on the left if it was rotated.

Example:

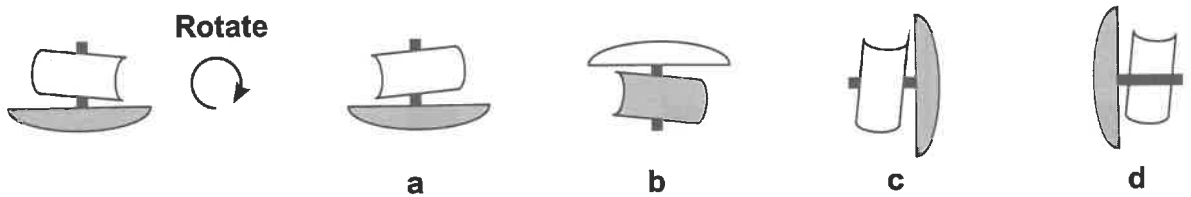


Answer: b

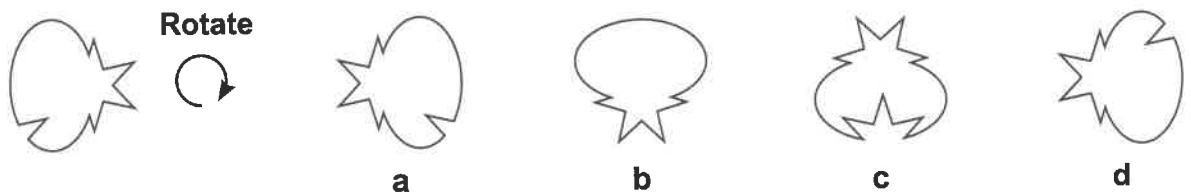
1



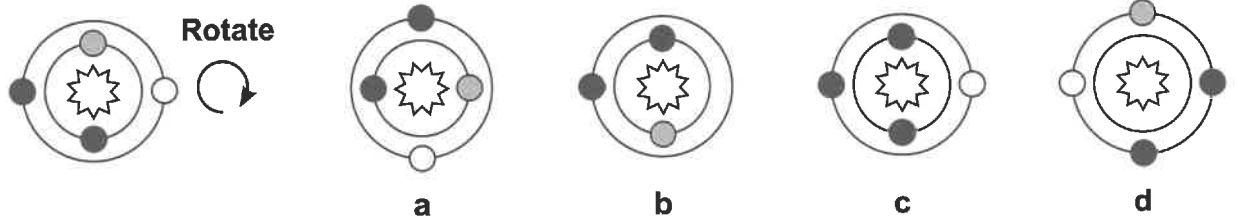
2



3



4



Section 2 — Odd One Out

Find the figure in each row that is most unlike the other figures.

Example:



a



b



c



d



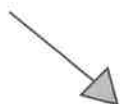
e

Answer: a

1



a



b



c



d



e

2



a



b



c



d



e



3



a



b



c



d



e

4



a



b



c



d



e

5



a



b



c



d



e

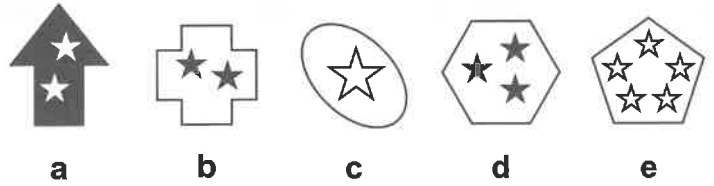
/ 5

Carry on to the next question → →

Section 3 — Find the Figure Like the First Three

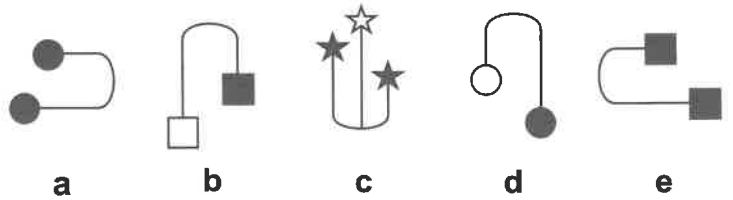
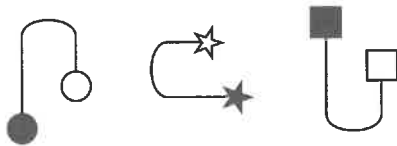
Work out which option is the most like the three figures on the left.

Example:

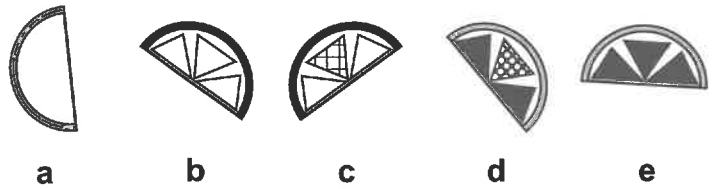


Answer: b

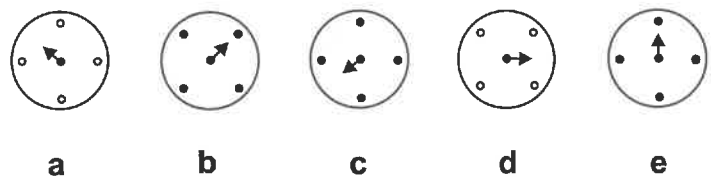
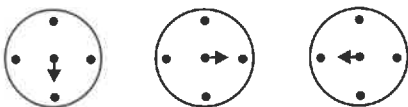
1



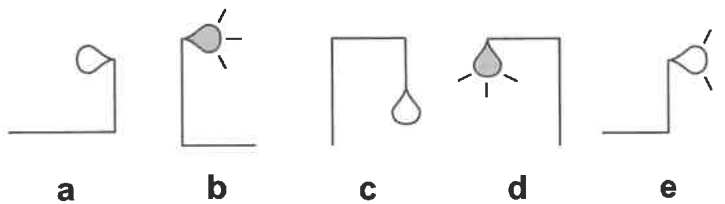
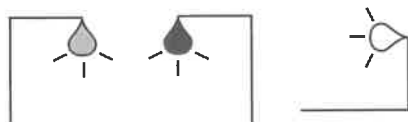
2



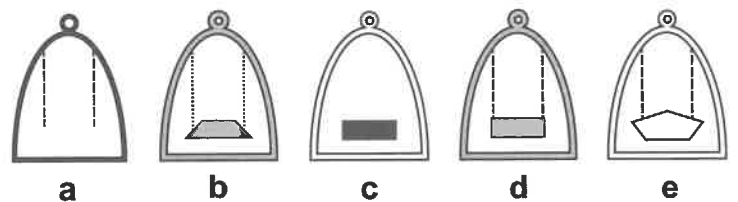
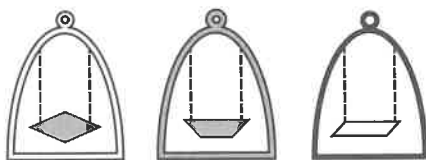
3



4



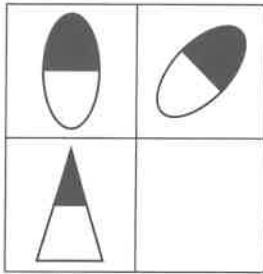
5



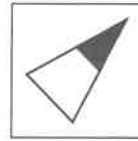
Section 4 — Complete the Grid

Work out which of the options best fits in place of the missing square in the grid.

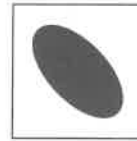
Example:



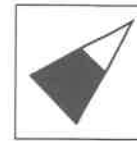
a



b



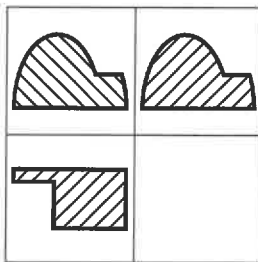
c



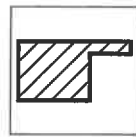
d

Answer: b

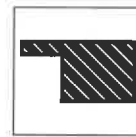
1



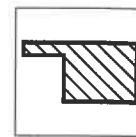
a



b

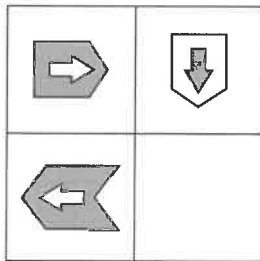


c

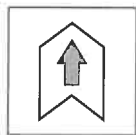


d

2



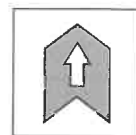
a



b

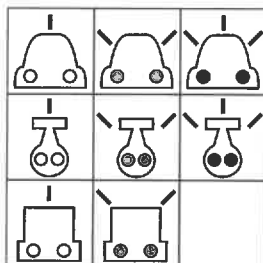


c



d

3



a



b

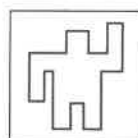
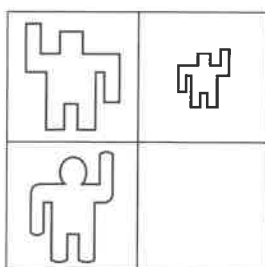


c



d

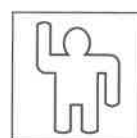
4



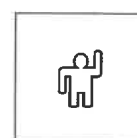
a



b



c



d

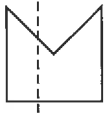
/ 4

Carry on to the next question → →

Section 5 — Fold Along the Line

Work out which option shows the figure on the left when folded along the dotted line.

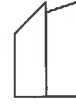
Example:



a



b



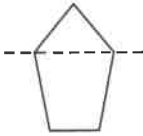
c



d

Answer: a

1



a



b

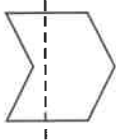


c



d

2



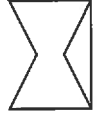
a



b



c



d

3



a



b

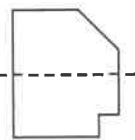


c

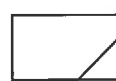


d

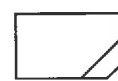
4



a



b

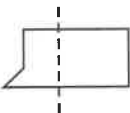


c



d

5



a



b



c

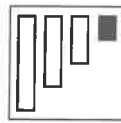
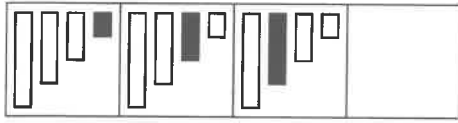


d

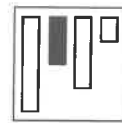
Section 6 — Complete the Series

Work out which of the options best fits in place of the missing square in the series.

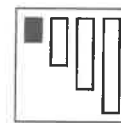
Example:



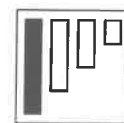
a



b



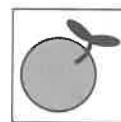
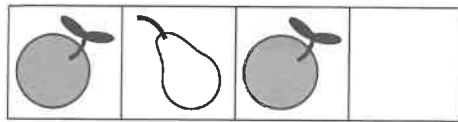
c



d

Answer: d

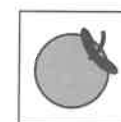
1



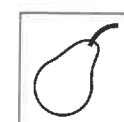
a



b

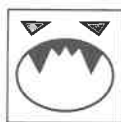
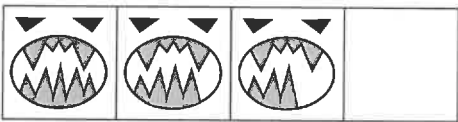


c



d

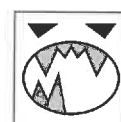
2



a



b

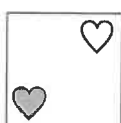
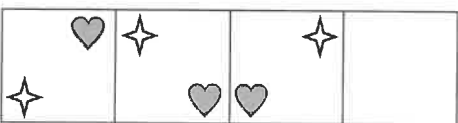


c



d

3



a



b

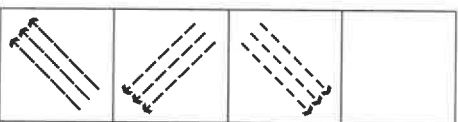


c



d

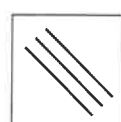
4



a



b

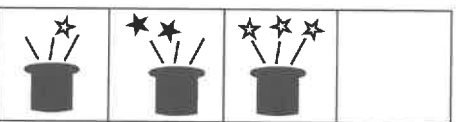


c



d

5



a



b



c



d

/ 5

Total / 28

End of Test

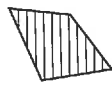
Assessment Test 5

You can print **multiple-choice answer sheets** for these questions from our website — go to cgpbooks.co.uk/11plus/answer-sheets. If you'd prefer to answer them in standard write-in format, just circle the letter underneath your answer. The test should take around 15 minutes.

Section 1 — Find the Figure Like the First Two

Work out which option is most like the two figures on the left.

Example:



a

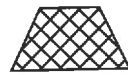
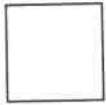
b

c

d

Answer: a

1



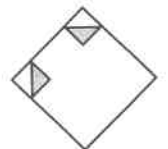
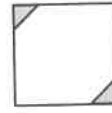
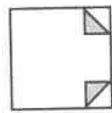
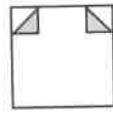
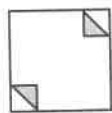
a

b

c

d

2



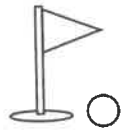
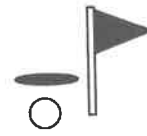
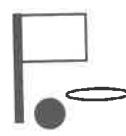
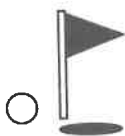
a

b

c

d

3



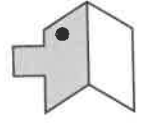
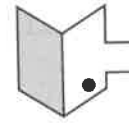
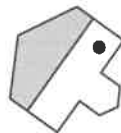
a

b

c

d

4



a

b

c

d

5



a

b

c

d

Section 2 — Odd One Out

Find the figure in each row that is most unlike the other figures.

Example:



a



b



c



d



e

Answer: a

1



a



b



c

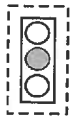


d

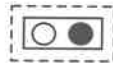


e

2



a



b



c



d



e

3



a



b



c

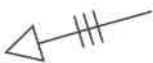


d



e

4



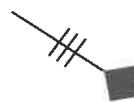
a



b



c

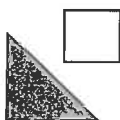


d

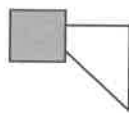


e

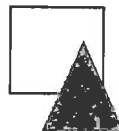
5



a



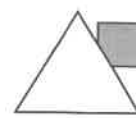
b



c



d



e

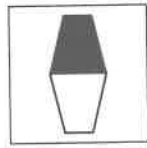
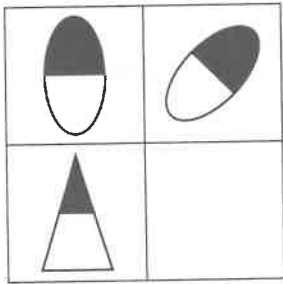
/ 5

Carry on to the next question → →

Section 3 — Complete the Grid

Work out which of the options best fits in place of the missing square in the grid.

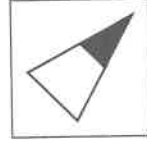
Example:



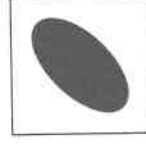
a



b



c



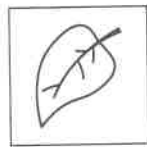
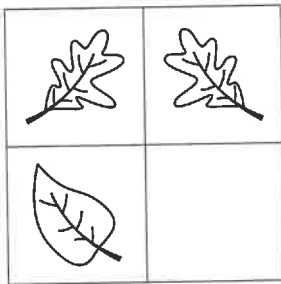
d



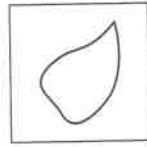
e

Answer: c

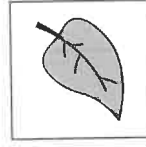
1



a



b



c

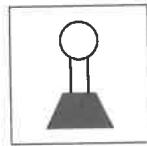
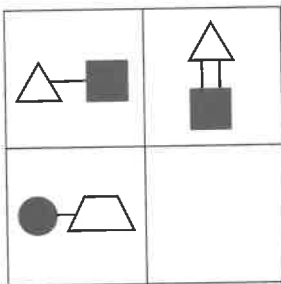


d

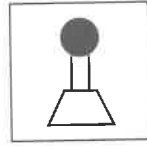


e

2



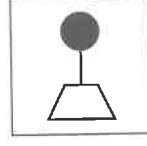
a



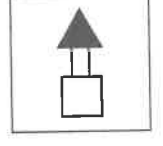
b



c

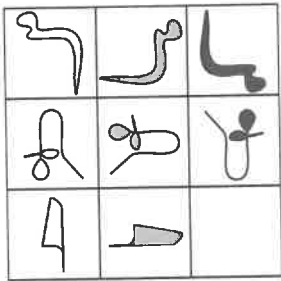


d



e

3



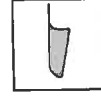
a



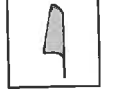
b



c

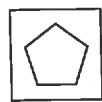
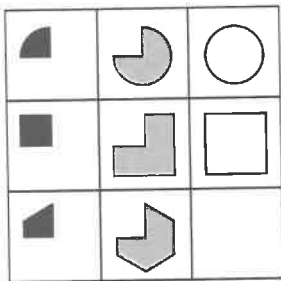


d

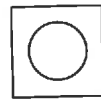


e

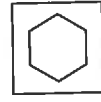
4



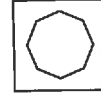
a



b



c



d

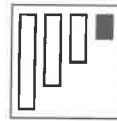
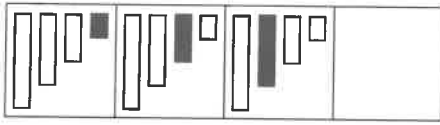


e

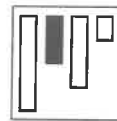
Section 4 — Complete the Series

Work out which of the options best fits in place of the missing square in the series.

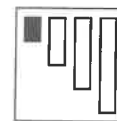
Example:



a



b



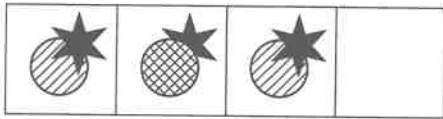
c



d

Answer: d

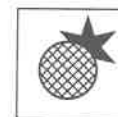
1



a



b

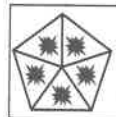
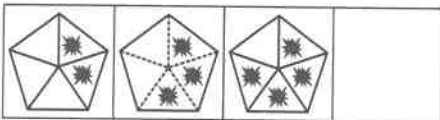


c

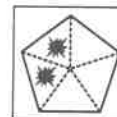


d

2



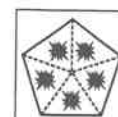
a



b

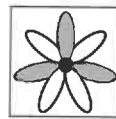
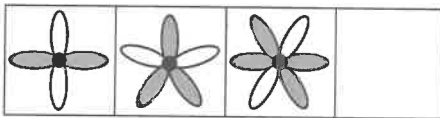


c

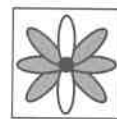


d

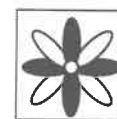
3



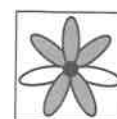
a



b

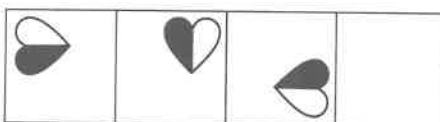


c

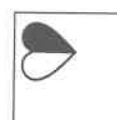


d

4



a



b

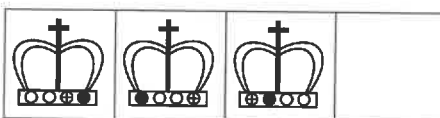


c



d

5



a



b



c



d

/ 5

Carry on to the next question → →

Section 5 — Reflect the Figure

Work out which option would look like the figure on the left if it was reflected over the line.

Example:

Reflect



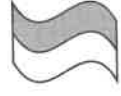
a



b



c

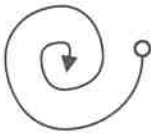


d

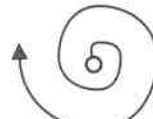
Answer: a

1

Reflect



a



b



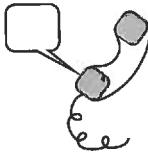
c



d

2

Reflect



a



b



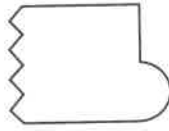
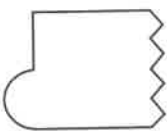
c



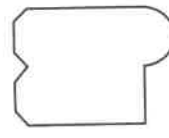
d

3

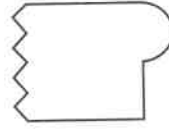
Reflect



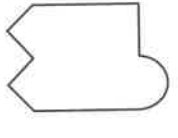
a



b



c



d

4

Reflect



a



b



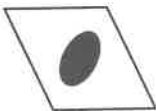
c



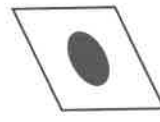
d

5

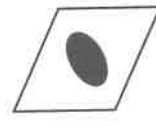
Reflect



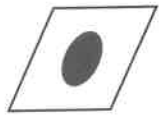
a



b



c

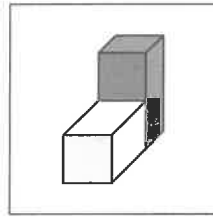
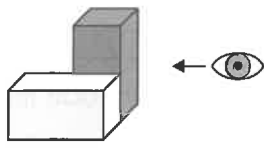


d

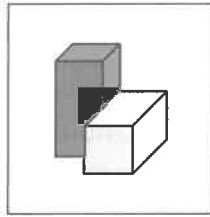
Section 6 — Look at the Figure from the Right

Look at the figure on the left. What would it look like if you saw it from the right-hand side? Choose the option on the right which looks like this.

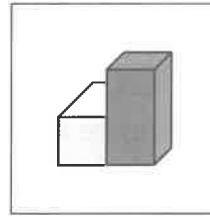
Example:



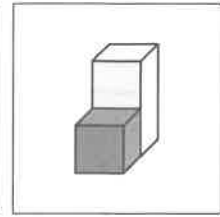
a



b



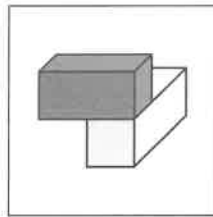
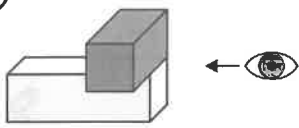
c



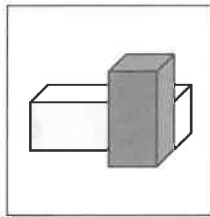
d

Answer: c

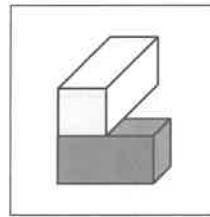
1



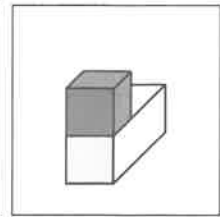
a



b

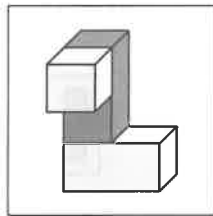
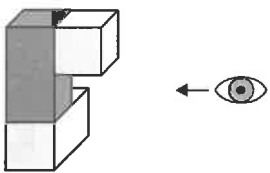


c

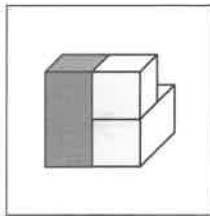


d

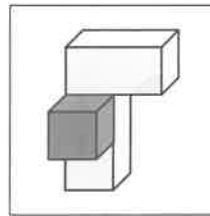
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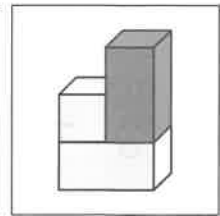
a



b

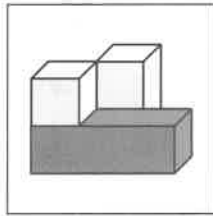
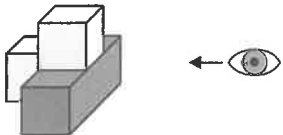


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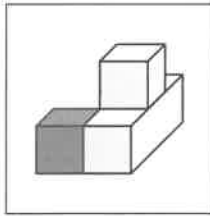


d

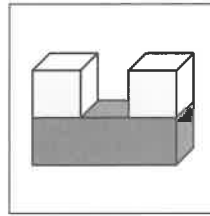
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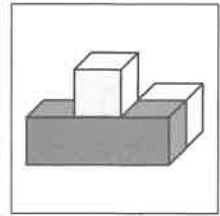
a



b

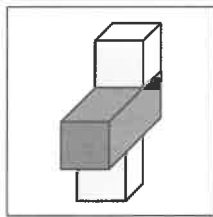
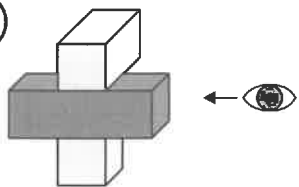


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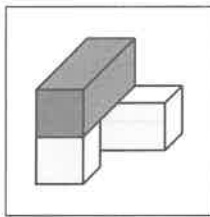


d

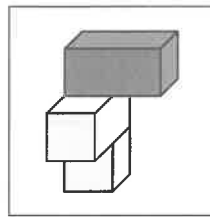
4



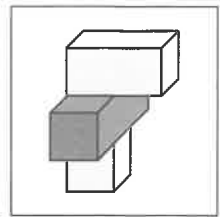
a



b



c



d

/ 4

Total / 28

End of Test

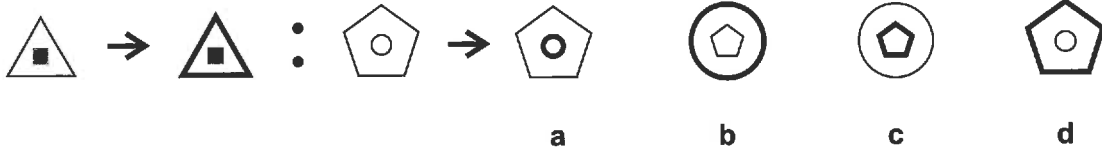
Assessment Test 6

You can print **multiple-choice answer sheets** for these questions from our website — go to cgpbooks.co.uk/11plus/answer-sheets. If you'd prefer to answer them in standard write-in format, just circle the letter underneath your answer. The test should take around 15 minutes.

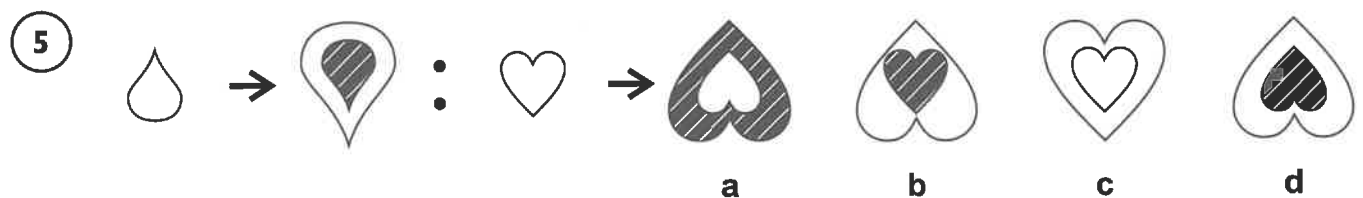
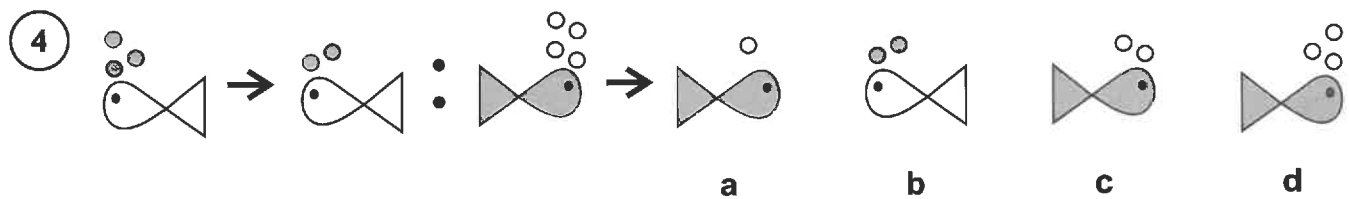
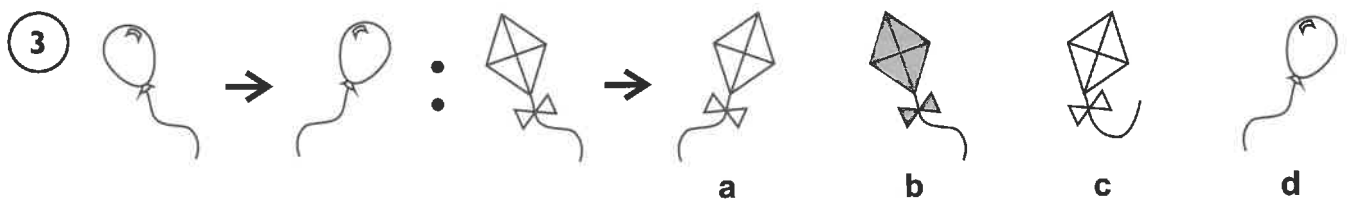
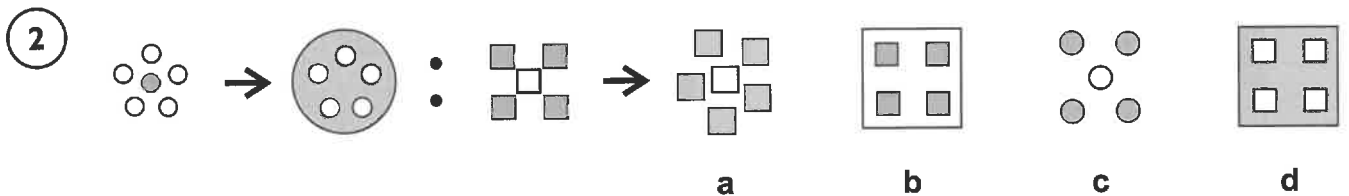
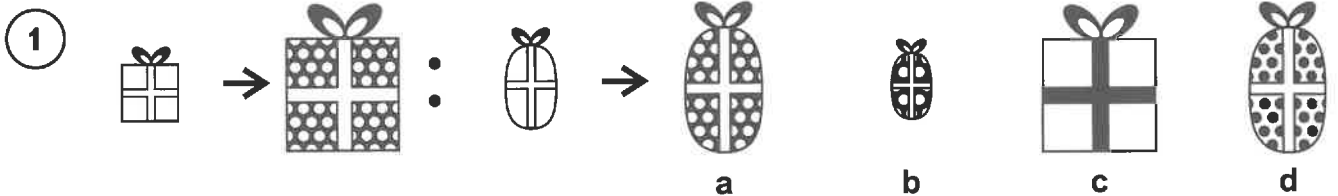
Section 1 — Complete the Pair

Look at how the first figure is changed, and then work out which option would look like the third figure if you changed it in the same way.

Example:



Answer: d



Section 2 — Find the Figure Like the First Three

Work out which option is the most like the three figures on the left.

Example:



Answer: b

<p>1</p>	
<p>2</p>	
<p>3</p>	
<p>4</p>	
<p>5</p>	

/ 5

Carry on to the next question → →

Section 3 — Reflect the Figure

Work out which option would look like the figure on the left if it was reflected over the line.

Example:

Reflect



a



b



c

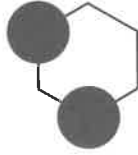


d

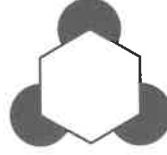
Answer: a

1

Reflect



a



b



c



d

2

Reflect



a



b



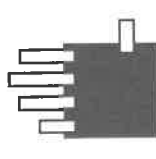
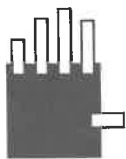
c



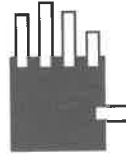
d

3

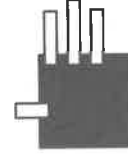
Reflect



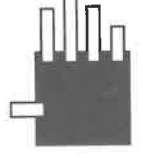
a



b



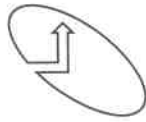
c



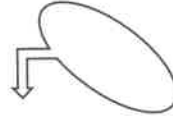
d

4

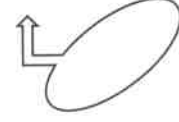
Reflect



a



b



c



d

5

Reflect



a



b



c

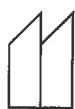
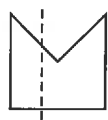


d

Section 4 — Fold Along the Line

Work out which option shows the figure on the left when folded along the dotted line.

Example:



a



b



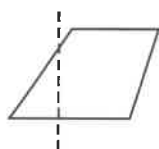
c



d

Answer: a

1



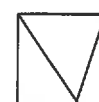
a



b

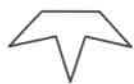
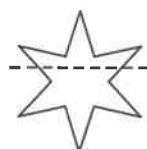


c



d

2



a



b

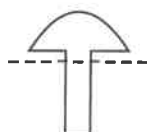


c



d

3



a



b

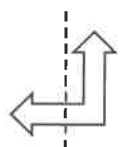


c



d

4



a



b



c



d

5



a



b



c



d

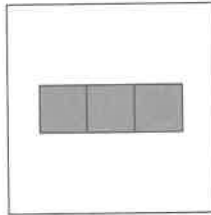
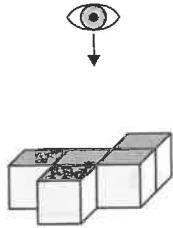
/ 5

Carry on to the next question → →

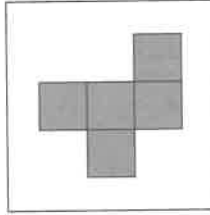
Section 5 — Look at the Figure from the Top

Look at the figure on the left. What would it look like if you saw it from the top?
Choose the option on the right which looks like this.

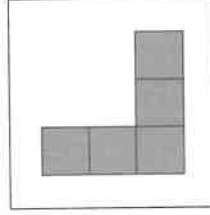
Example:



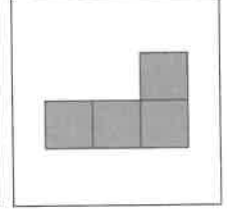
a



b



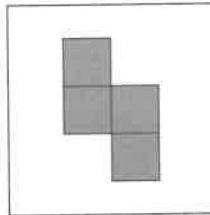
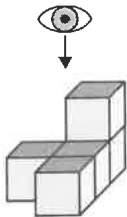
c



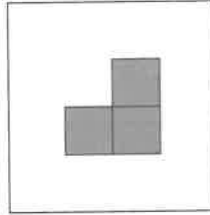
d

Answer: b

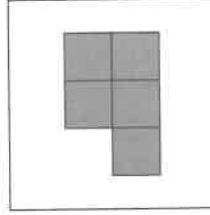
1



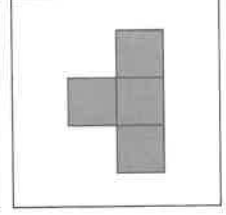
a



b

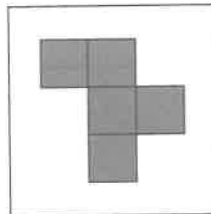
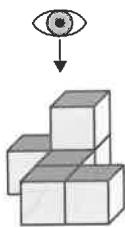


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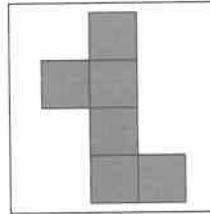


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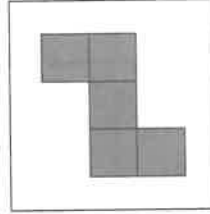
2



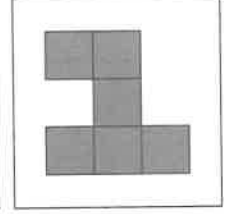
a



b

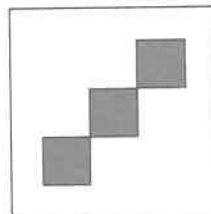
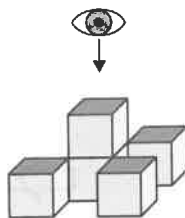


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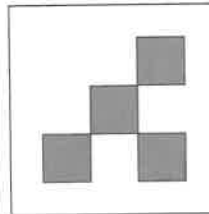


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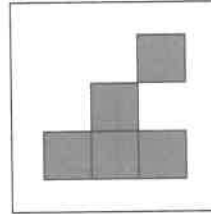
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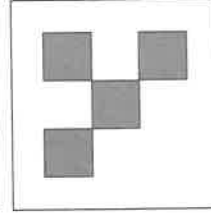
a



b

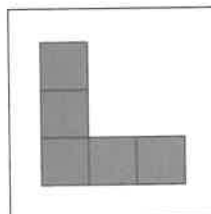
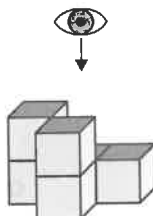


c

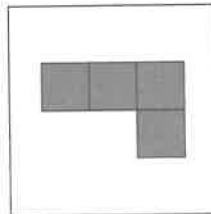


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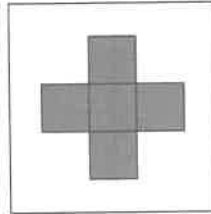
4



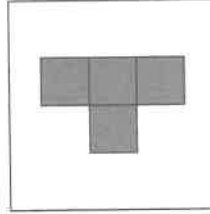
a



b



c

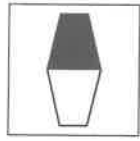
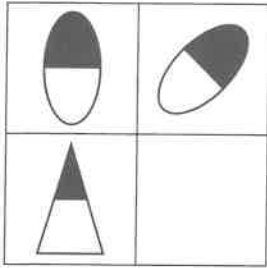


d

Section 6 — Complete the Grid

Work out which of the options best fits in place of the missing square in the grid.

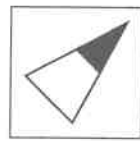
Example:



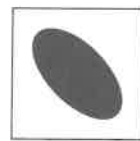
a



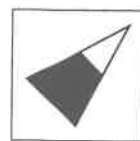
b



c



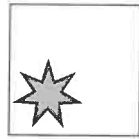
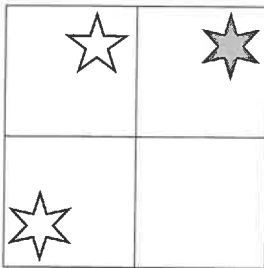
d



e

Answer: c

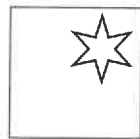
1



a



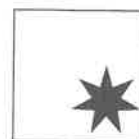
b



c

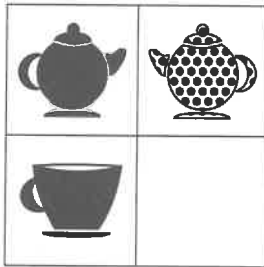


d



e

2



a



b



c

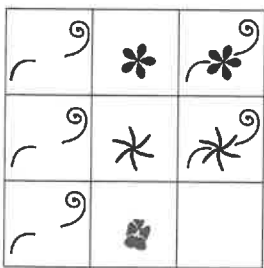


d



e

3



a



b



c

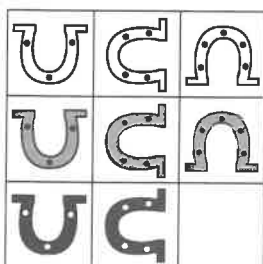


d



e

4



a



b



c



d



e

/ 4

Total / 28

End of Test

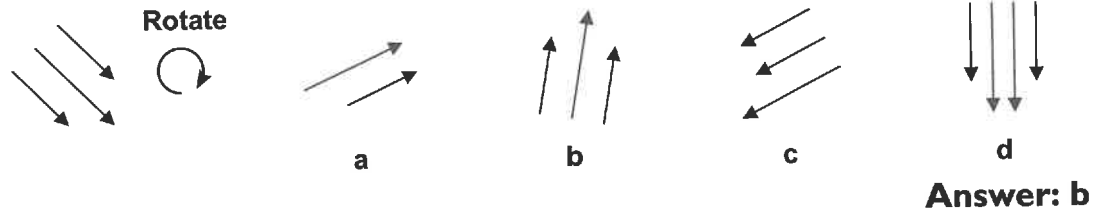
Assessment Test 7

You can print **multiple-choice answer sheets** for these questions from our website — go to cgpbooks.co.uk/11plus/answer-sheets. If you'd prefer to answer them in standard write-in format, just circle the letter underneath your answer. The test should take around 15 minutes.

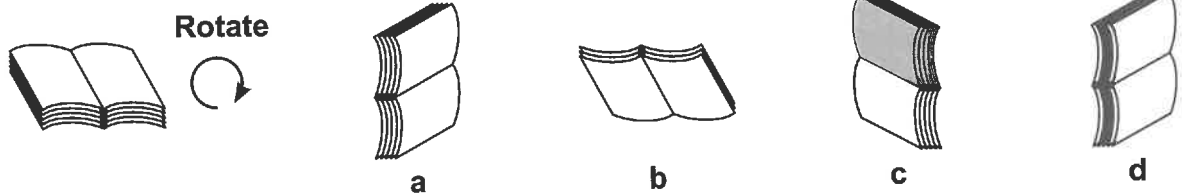
Section 1 — Rotate the Figure

Work out which option would look like the figure on the left if it was rotated.

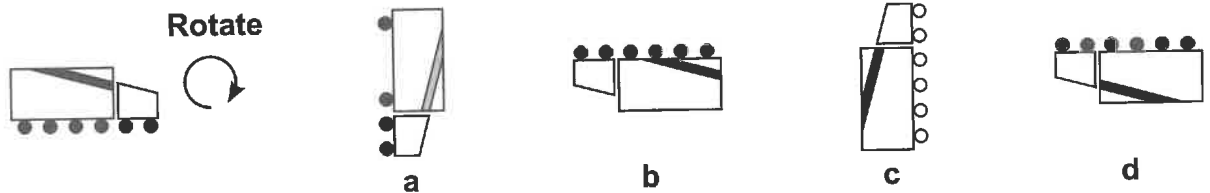
Example:



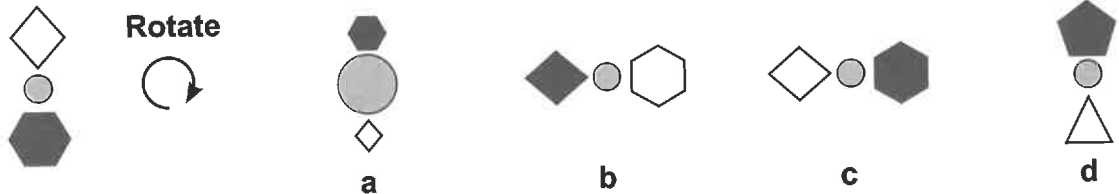
1



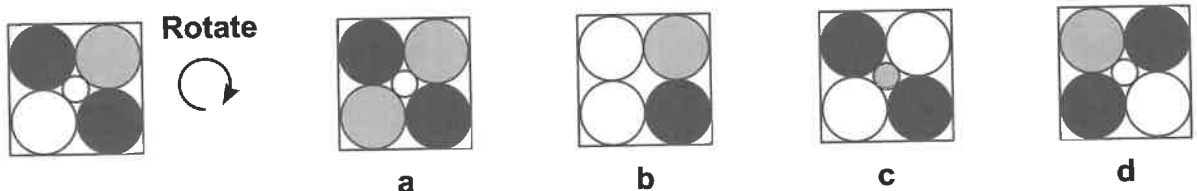
2



3



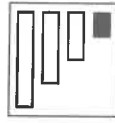
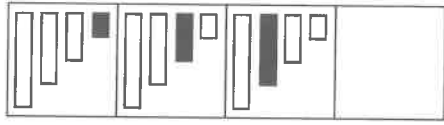
4



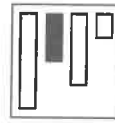
Section 2 — Complete the Series

Work out which of the options best fits in place of the missing square in the series.

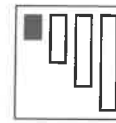
Example:



a



b



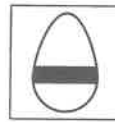
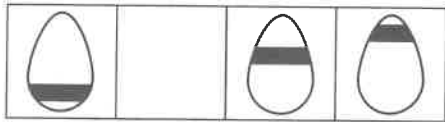
c



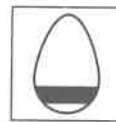
d

Answer: d

1



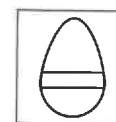
a



b

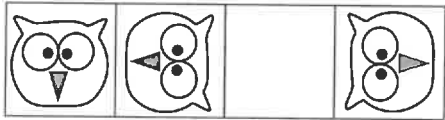


c



d

2



a



b

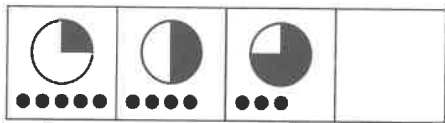


c

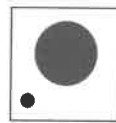


d

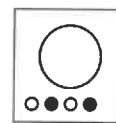
3



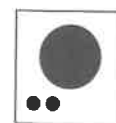
a



b

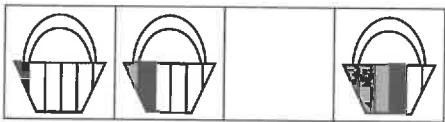


c



d

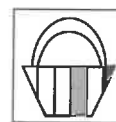
4



a



b

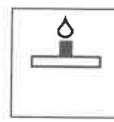
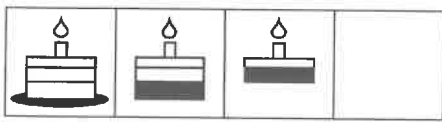


c

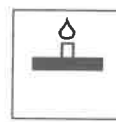


d

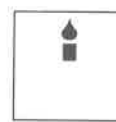
5



a



b



c



d

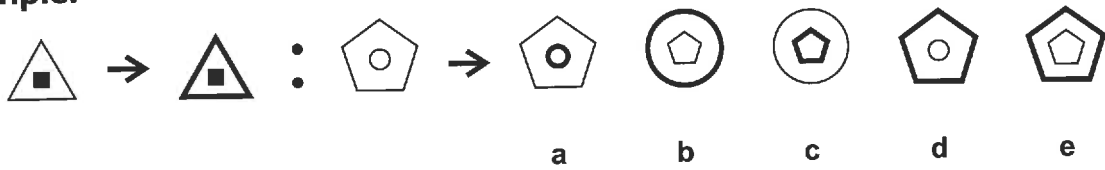
/ 5

Carry on to the next question → →

Section 3 — Complete the Pair

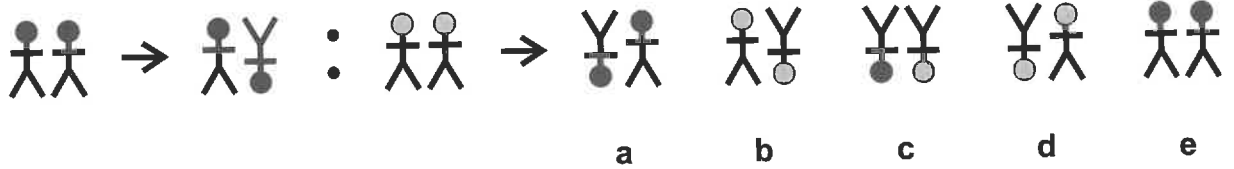
Look at how the first two figures are changed, and then work out which option would look like the third figure if you changed it in the same way.

Example:

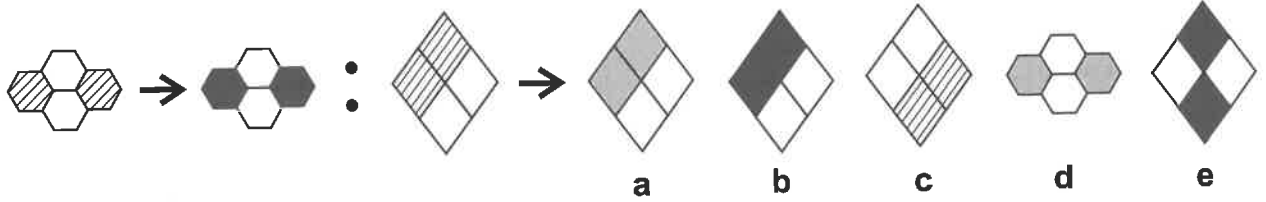


Answer: d

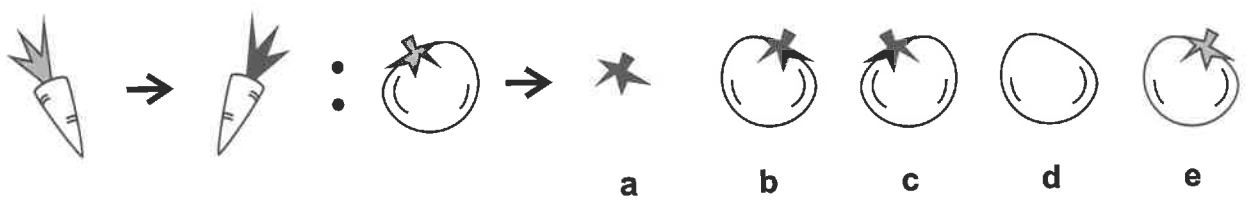
1



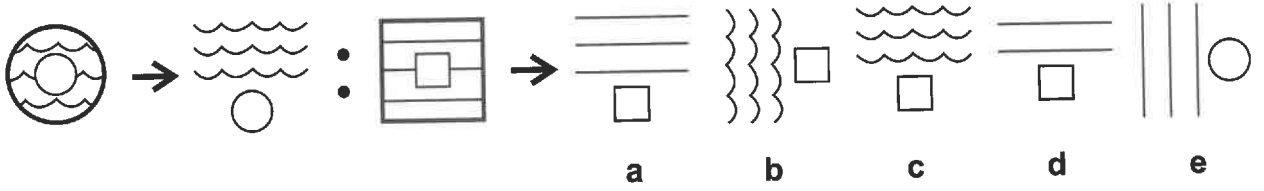
2



3



4



5



Section 4 — Odd One Out

Find the figure in each row that is most unlike the other figures.

Example:



a



b



c



d



e

Answer: a

1



a



b



c

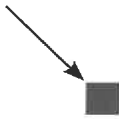


d

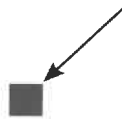


e

2



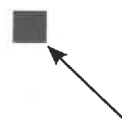
a



b



c

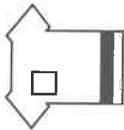


d

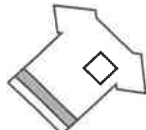


e

3



a



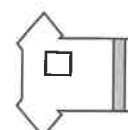
b



c



d



e

4



a



b



c



d



e

5



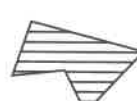
a



b



c



d



e

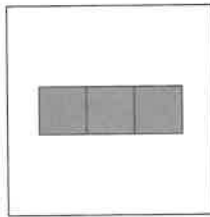
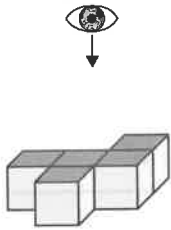
/ 5

Carry on to the next question → →

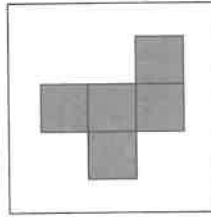
Section 5 — Look at the Figure from the Top

Look at the figure on the left. What would it look like if you saw it from the top?
Choose the option on the right which looks like this.

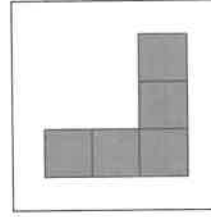
Example:



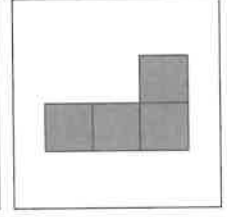
a



b



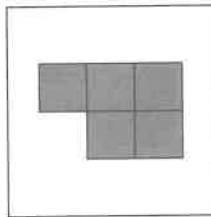
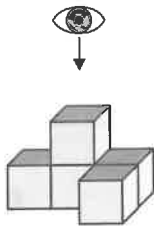
c



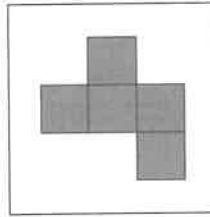
d

Answer: b

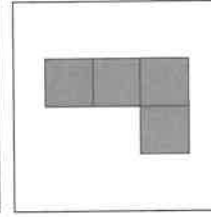
1



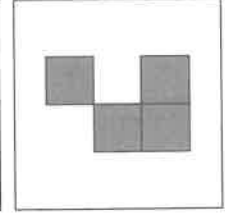
a



b

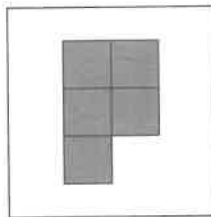
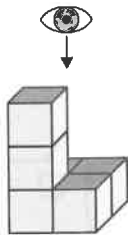


c

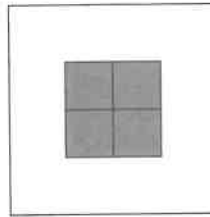


d

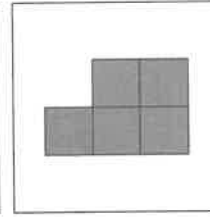
2



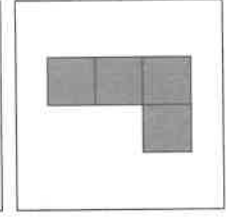
a



b

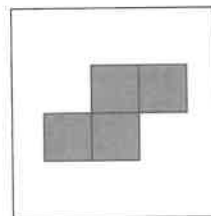
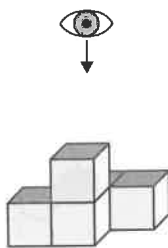


c

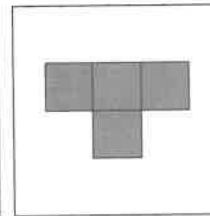


d

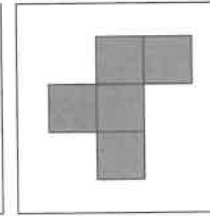
3



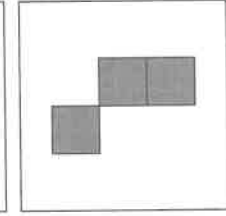
a



b

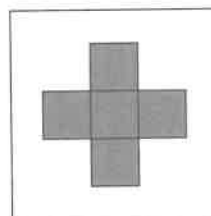
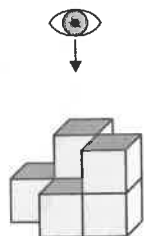


c

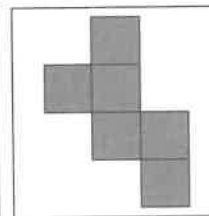


d

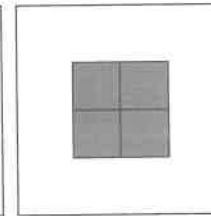
4



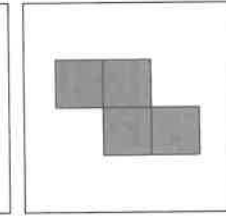
a



b



c



d

Section 6 — Find the Figure Like the First Three

Work out which option is the most like the three figures on the left.

Example:



a

b

c

d

Answer: b

1



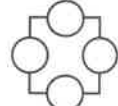
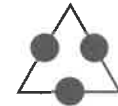
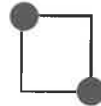
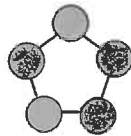
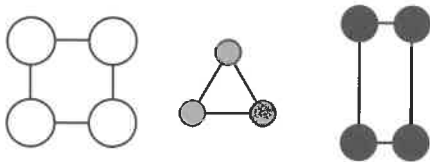
a

b

c

d

2



a

b

c

d

3



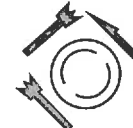
a

b

c

d

4



a

b

c

d

5



a

b

c

d

/ 5

Total / 28

End of Test

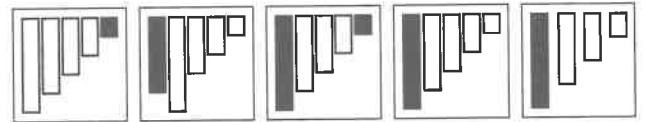
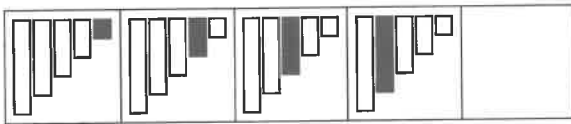
Assessment Test 8

You can print **multiple-choice answer sheets** for these questions from our website — go to cgpbooks.co.uk/11plus/answer-sheets. If you'd prefer to answer them in standard write-in format, just circle the letter underneath your answer. The test should take around 15 minutes.

Section 1 — Complete the Series

Work out which of the options best fits in place of the missing square in the series.

Example:



a

b

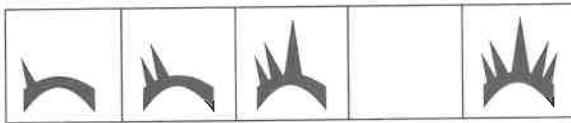
c

d

e

Answer: d

1



a

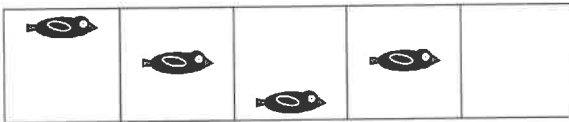
b

c

d

e

2



a

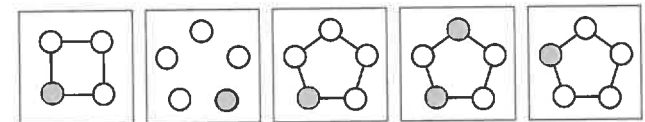
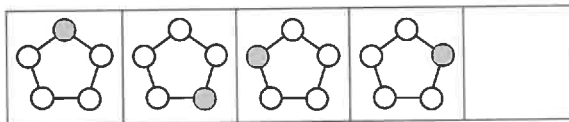
b

c

d

e

3



a

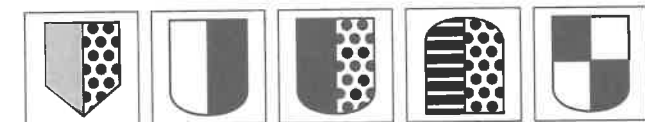
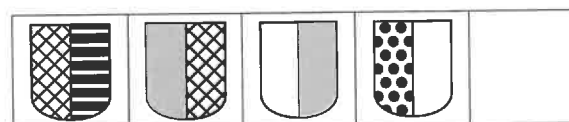
b

c

d

e

4



a

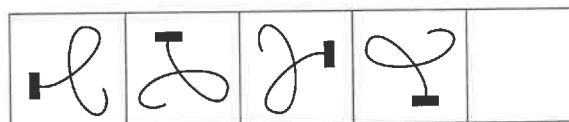
b

c

d

e

5



a

b

c

d

e

Section 2 — Reflect the Figure

Work out which option would look like the figure on the left if it was reflected over the line.

Example: Reflect



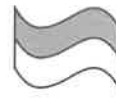
a



b



c

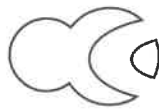
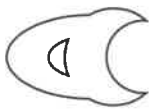


d

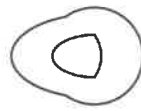
Answer: a

1

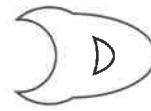
Reflect



a



b



c



d

2

Reflect



a



b



c



d

3

Reflect



a



b



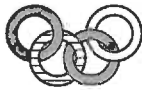
c



d

4

Reflect



a



b



c



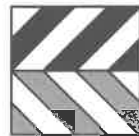
d

5

Reflect



a



b



c



d

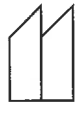
/ 5

Carry on to the next question → →

Section 3 — Fold Along the Line

Work out which option shows the figure on the left when folded along the dotted line.

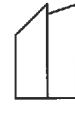
Example:



a



b



c



d

Answer: a

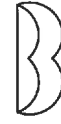
1



a



b

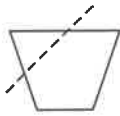


c



d

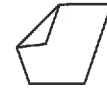
2



a



b

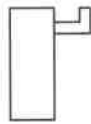
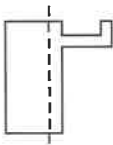


c



d

3



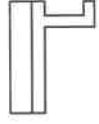
a



b

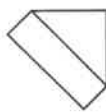
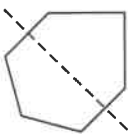


c

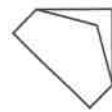


d

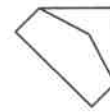
4



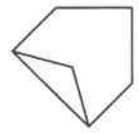
a



b



c

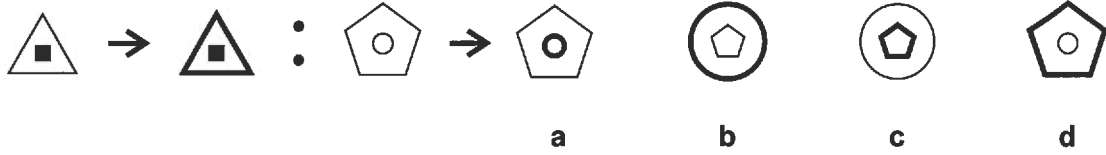


d

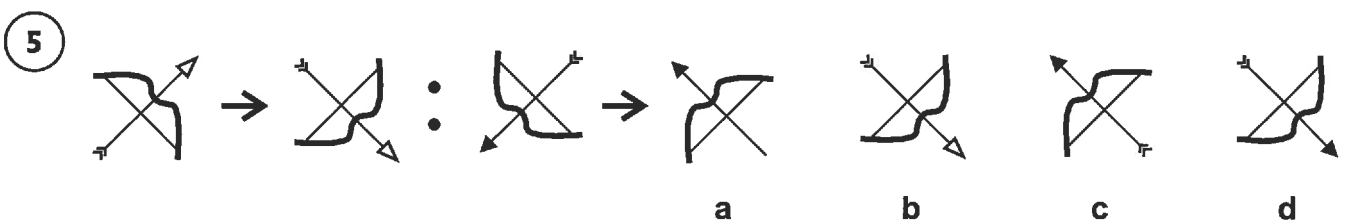
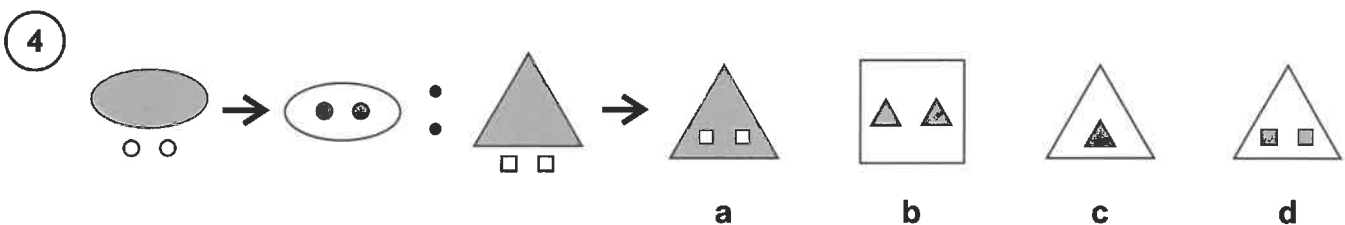
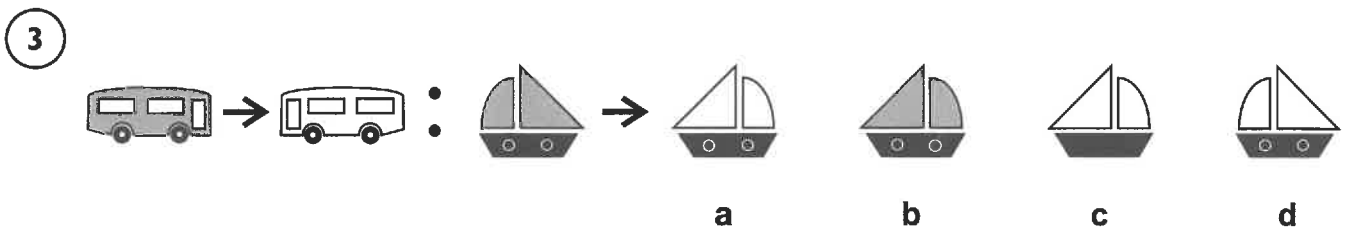
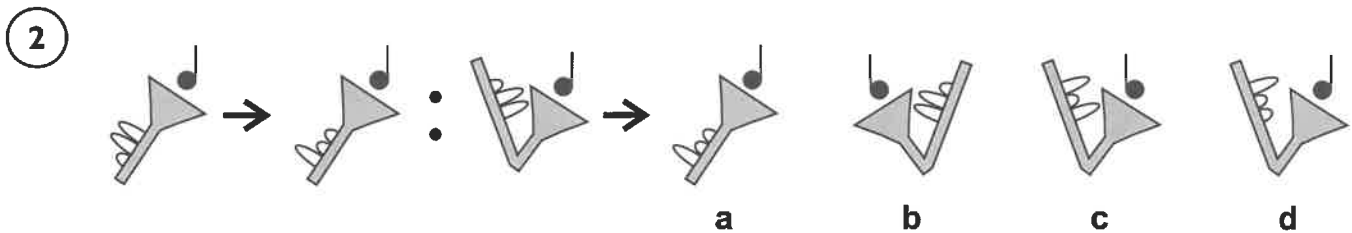
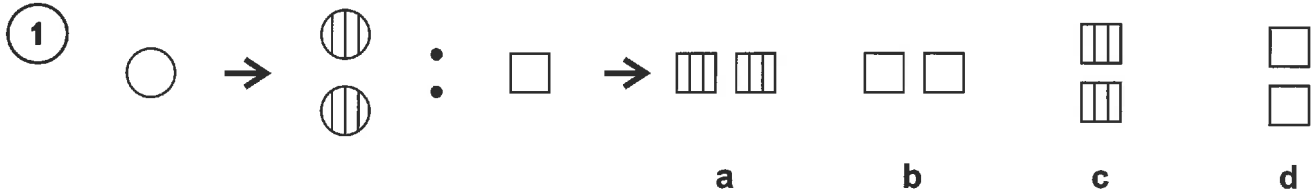
Section 4 — Complete the Pair

Look at how the first figure is changed, and then work out which option would look like the third figure if you changed it in the same way.

Example:



Answer: d



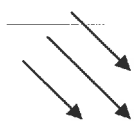
/ 5

Carry on to the next question → →

Section 5 — Rotate the Figure

Work out which option would look like the figure on the left if it was rotated.

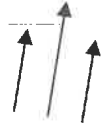
Example:



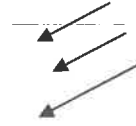
Rotate



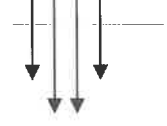
a



b



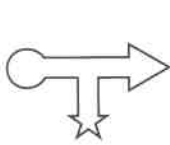
c



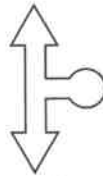
d

Answer: b

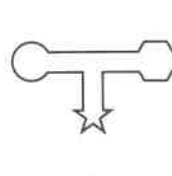
1



Rotate



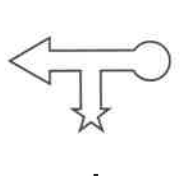
a



b



c

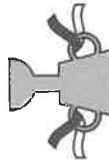


d

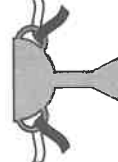
2



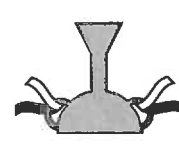
Rotate



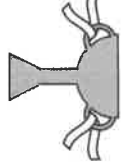
a



b

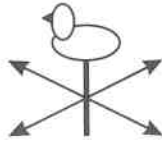


c

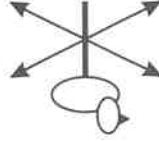


d

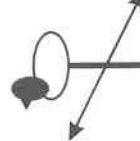
3



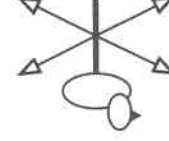
Rotate



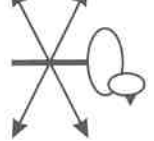
a



b

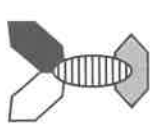


c



d

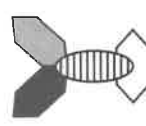
4



Rotate



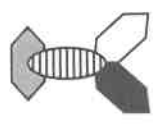
a



b



c



d

5



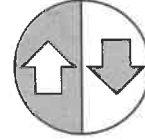
Rotate



a



b



c

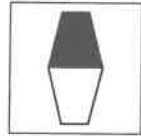
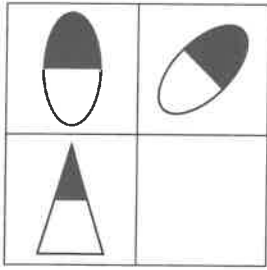


d

Section 6 — Complete the Grid

Work out which of the options best fits in place of the missing square in the grid.

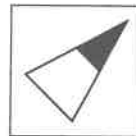
Example:



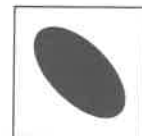
a



b



c



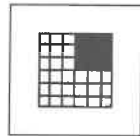
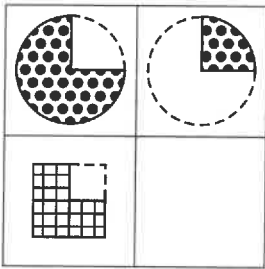
d



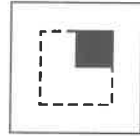
e

Answer: c

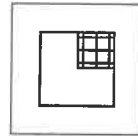
1



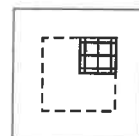
a



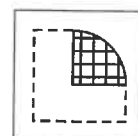
b



c

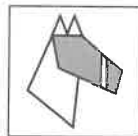
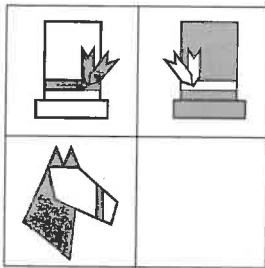


d

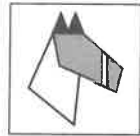


e

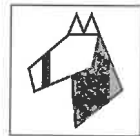
2



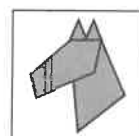
a



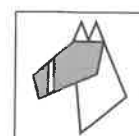
b



c

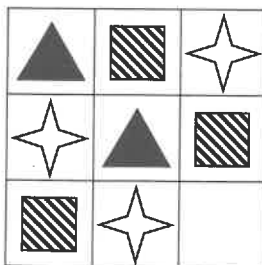


d



e

3



a



b



c

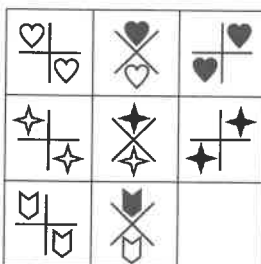


d



e

4



a



b



c



d



e

/ 4

Total / 28

End of Test

Assessment Test 8

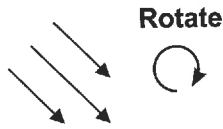
Assessment Test 9

You can print **multiple-choice answer sheets** for these questions from our website — go to cgpbooks.co.uk/11plus/answer-sheets. If you'd prefer to answer them in standard write-in format, just circle the letter underneath your answer. The test should take around 15 minutes.

Section 1 — Rotate the Figure

Work out which option would look like the figure on the left if it was rotated.

Example:



Rotate



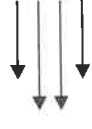
a



b



c



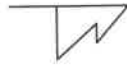
d

Answer: b

1



Rotate



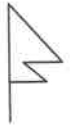
a



b



c



d

2



Rotate



a



b



c



d

3



Rotate



a



b

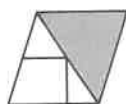


c

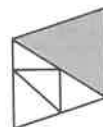


d

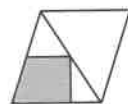
4



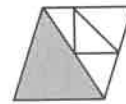
Rotate



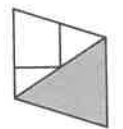
a



b



c

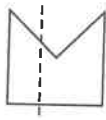


d

Section 2 — Fold Along the Line

Work out which option shows the figure on the left when folded along the dotted line.

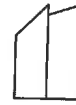
Example:



a



b



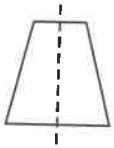
c



d

Answer: a

1



a



b

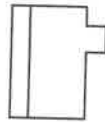
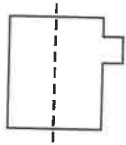


c



d

2



a



b



c



d

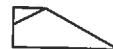
3



a



b

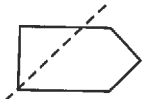


c

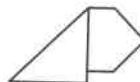


d

4



a



b

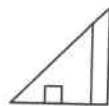
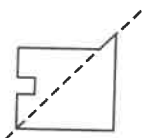


c

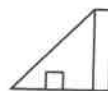


d

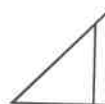
5



a



b



c



d

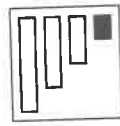
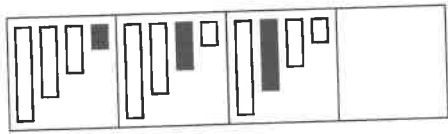
/ 5

Carry on to the next question → →

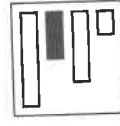
Section 3 — Complete the Series

Work out which of the options best fits in place of the missing square in the series.

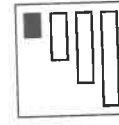
Example:



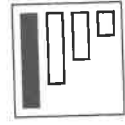
a



b



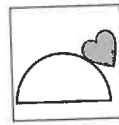
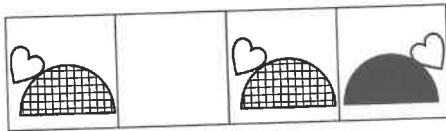
c



d

Answer: d

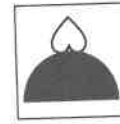
1



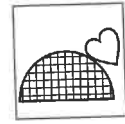
a



b

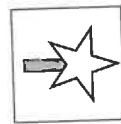
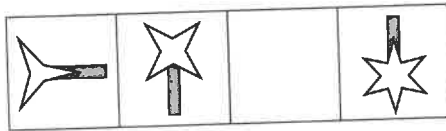


c

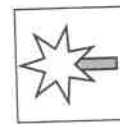


d

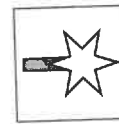
2



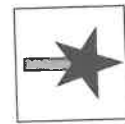
a



b

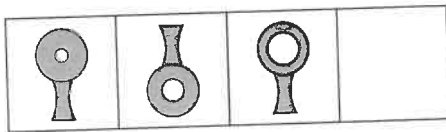


c

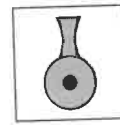


d

3



a



b

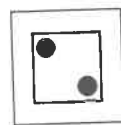
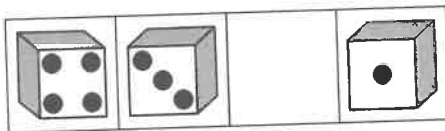


c

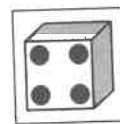


d

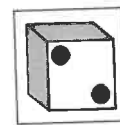
4



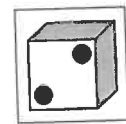
a



b

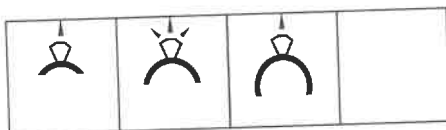


c



d

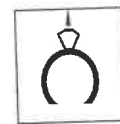
5



a



b



c

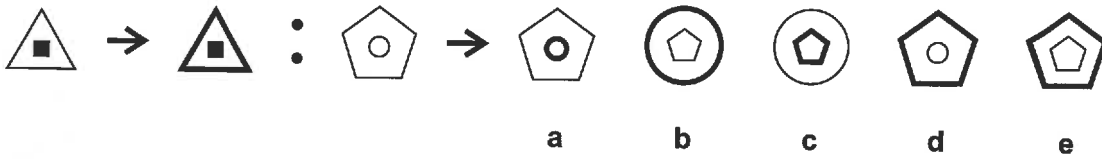


d

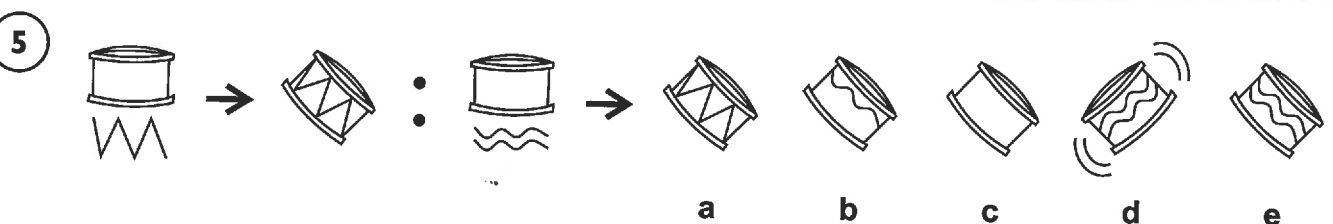
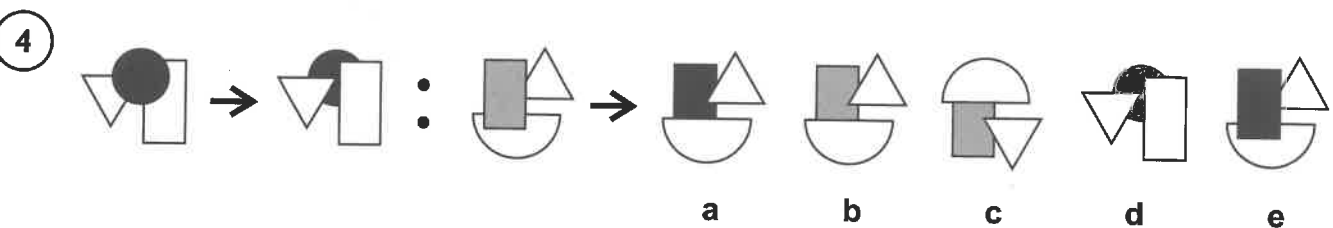
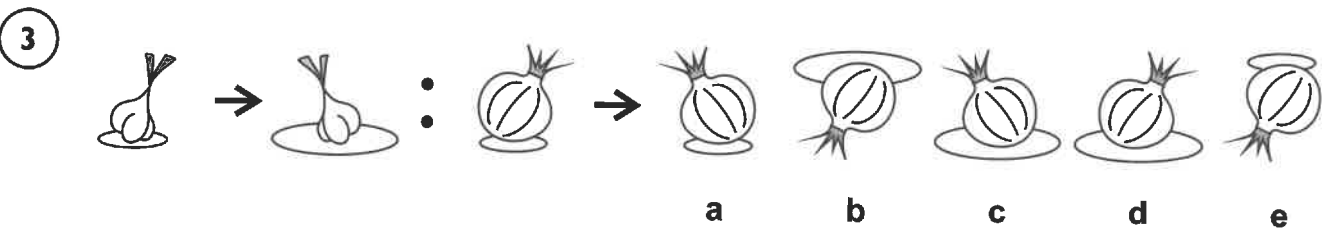
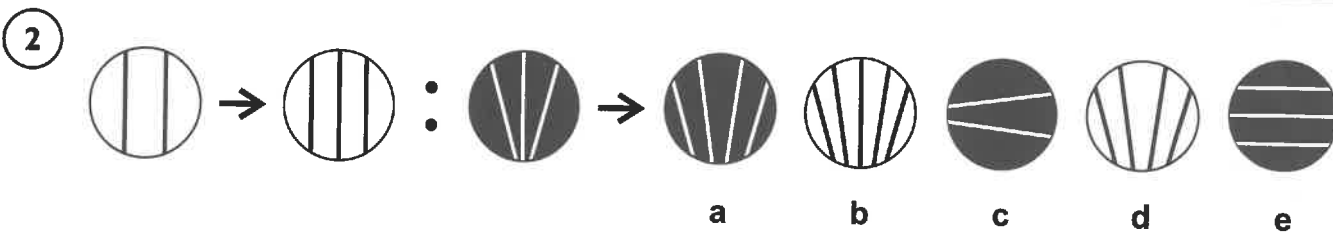
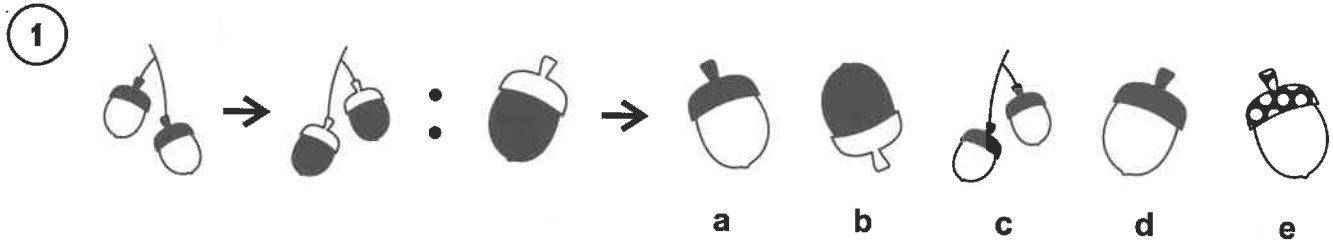
Section 4 — Complete the Pair

Look at how the first two figures are changed, and then work out which option would look like the third figure if you changed it in the same way.

Example:



Answer: d



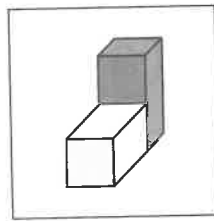
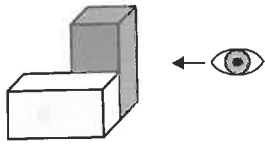
/ 5

Carry on to the next question → →

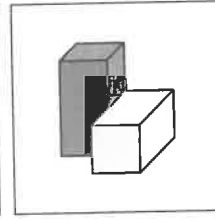
Section 5 — Look at the Figure from the Right

Look at the figure on the left. What would it look like if you saw it from the right-hand side? Choose the option on the right which looks like this.

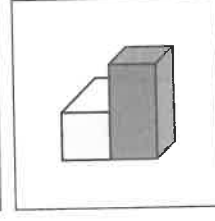
Example:



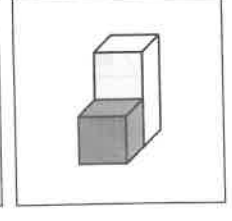
a



b



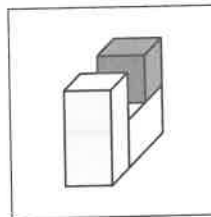
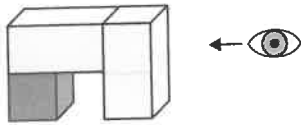
c



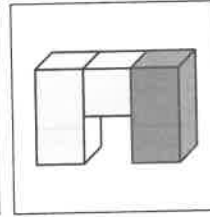
d

Answer: c

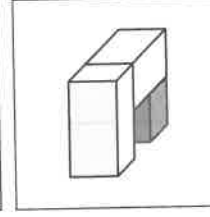
1



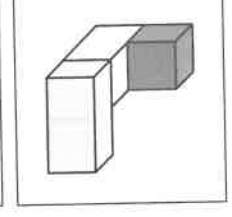
a



b

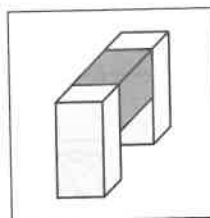
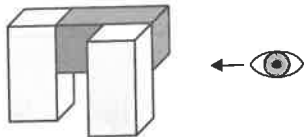


c

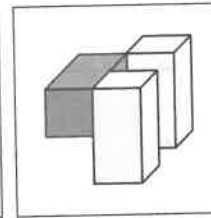


d

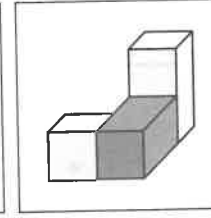
2



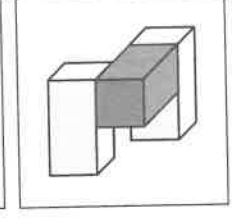
a



b

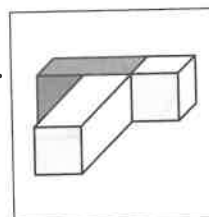
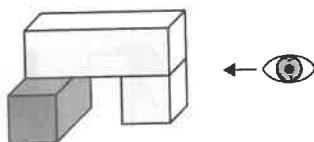


c

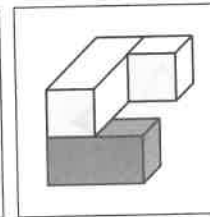


d

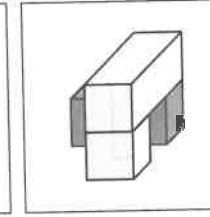
3



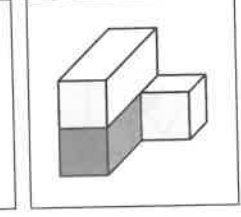
a



b

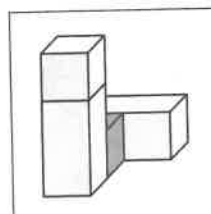
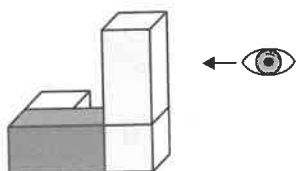


c

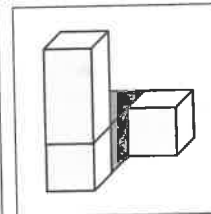


d

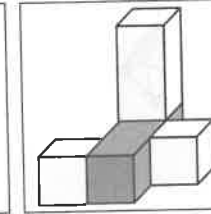
4



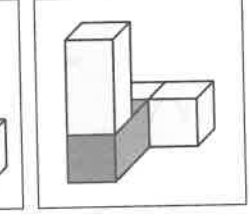
a



b



c



d

Section 6 — Find the Figure Like the First Two

Work out which option is most like the two figures on the left.

Example:



a

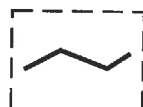
b

c

d

Answer: a

1



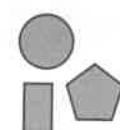
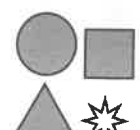
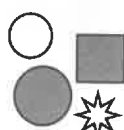
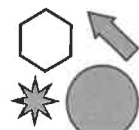
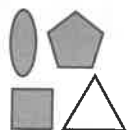
a

b

c

d

2



a

b

c

d

3



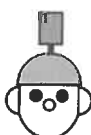
a

b

c

d

4



a

b

c

d

5



a

b

c

d

/ 5

Total / 28

End of Test

Assessment Test 9

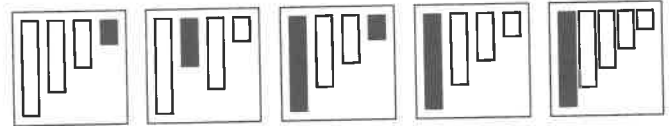
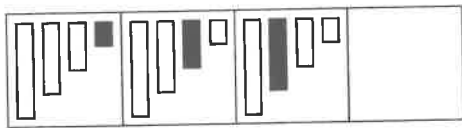
Assessment Test 10

You can print **multiple-choice answer sheets** for these questions from our website — go to cgpbooks.co.uk/11plus/answer-sheets. If you'd prefer to answer them in standard write-in format, just circle the letter underneath your answer. The test should take around 15 minutes.

Section 1 — Complete the Series

Work out which of the options best fits in place of the missing square in the series.

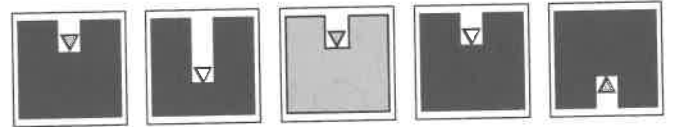
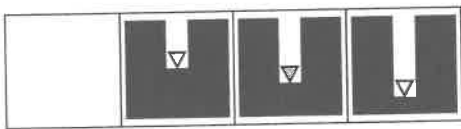
Example:



a b c d e

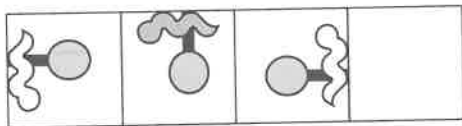
Answer: d

1



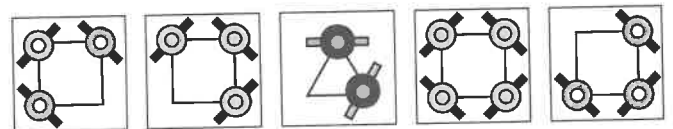
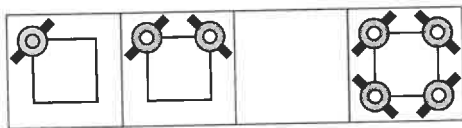
a b c d e

2



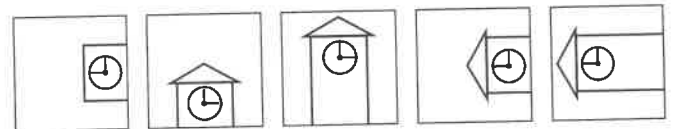
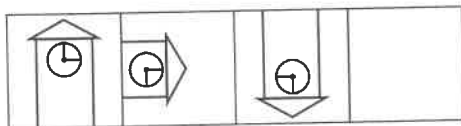
a b c d e

3



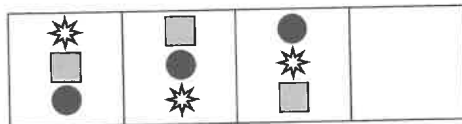
a b c d e

4



a b c d e

5



a b c d e

Section 2 — Reflect the Figure

Work out which option would look like the figure on the left if it was reflected over the line.

Example:

Reflect



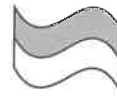
a



b



c



d

Answer: a

1

Reflect



a



b



c



d

2

Reflect



a



b



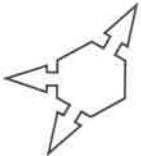
c



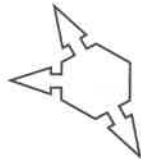
d

3

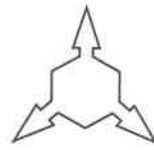
Reflect



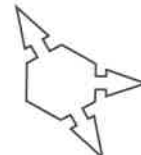
a



b



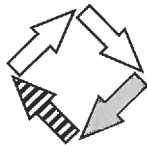
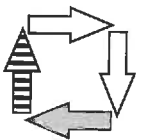
c



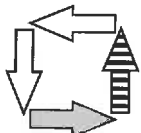
d

4

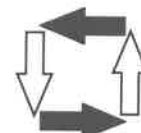
Reflect



a



b



c



d

5

Reflect



a



b



c



d

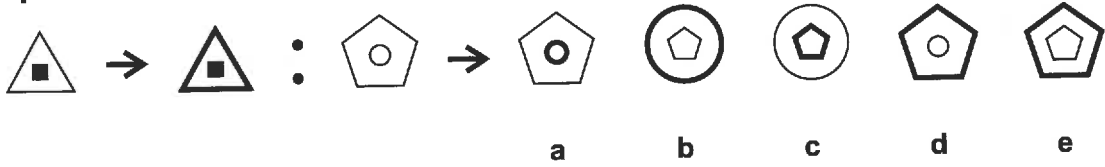
/ 5

Carry on to the next question → →

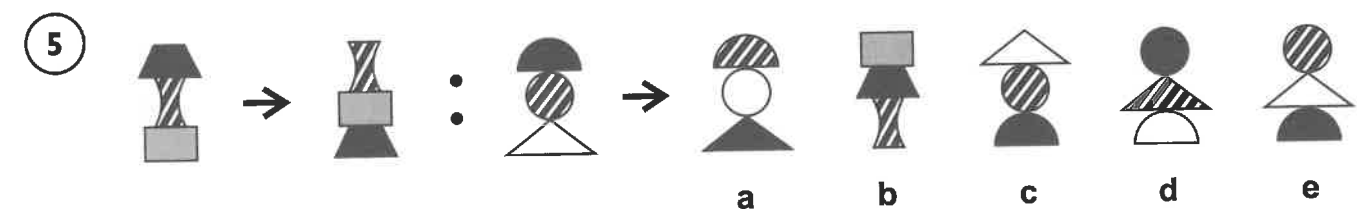
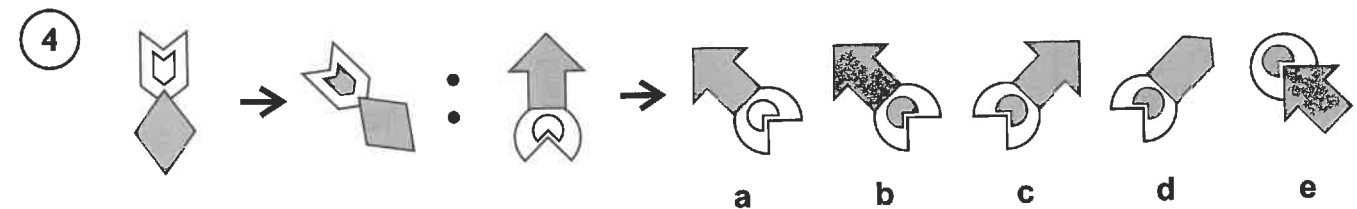
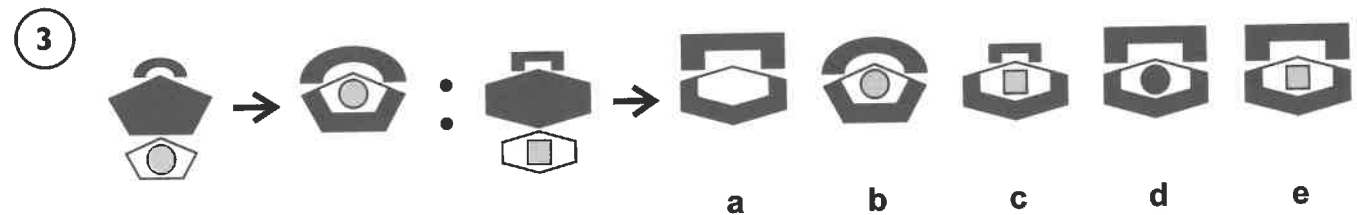
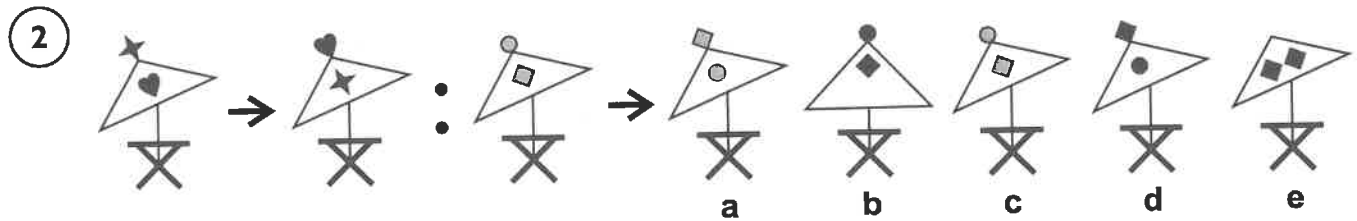
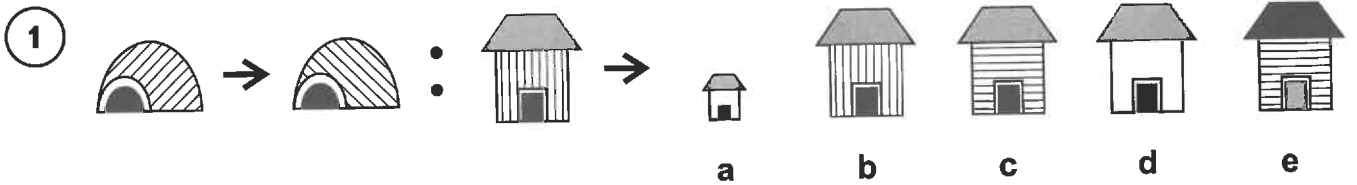
Section 3 — Complete the Pair

Look at how the first figure is changed, and then work out which option would look like the third figure if you changed it in the same way.

Example:



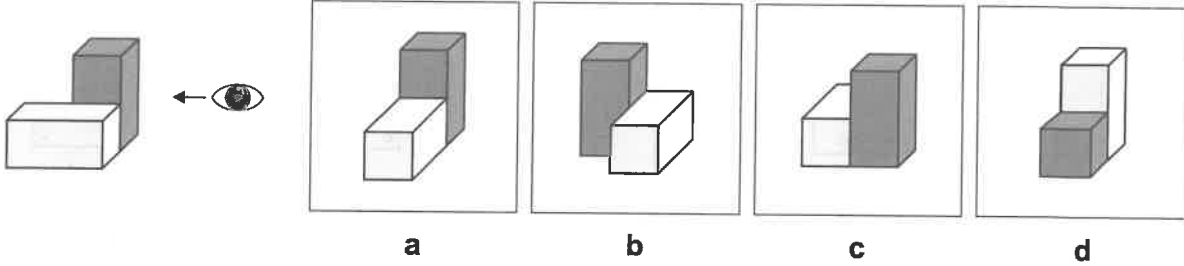
Answer: d



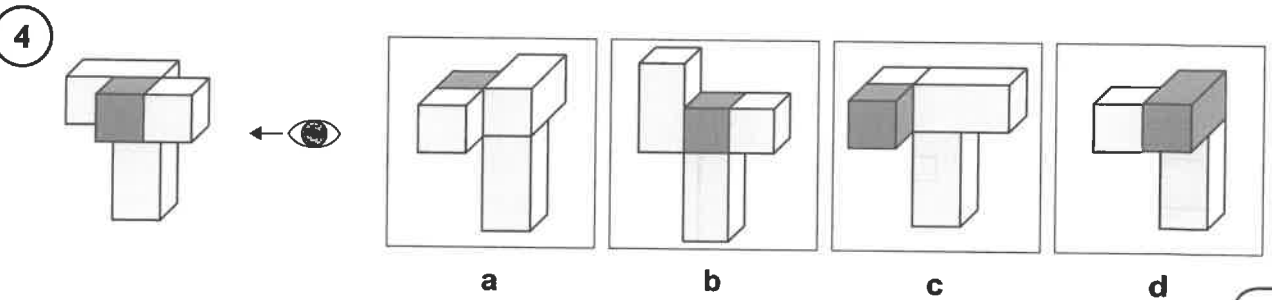
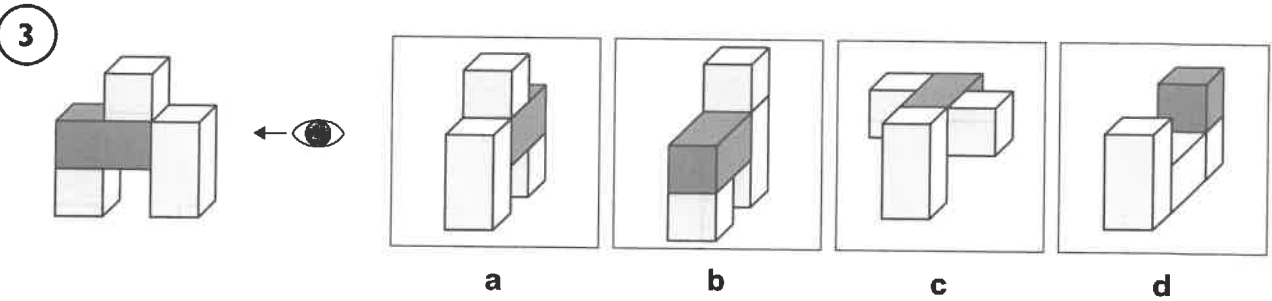
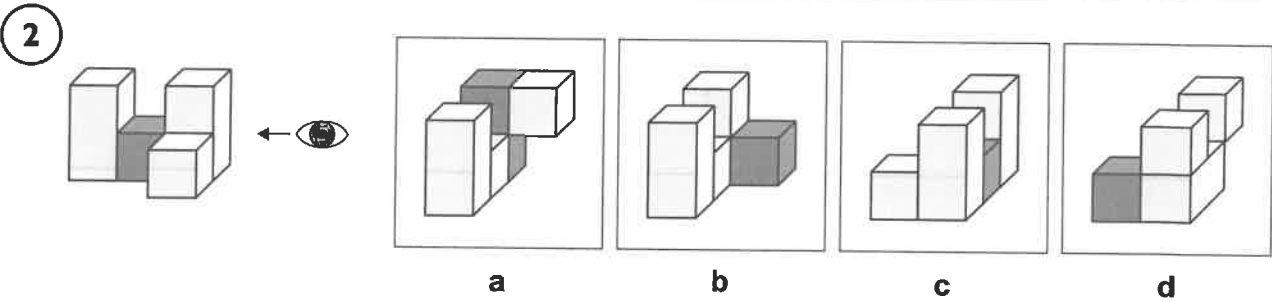
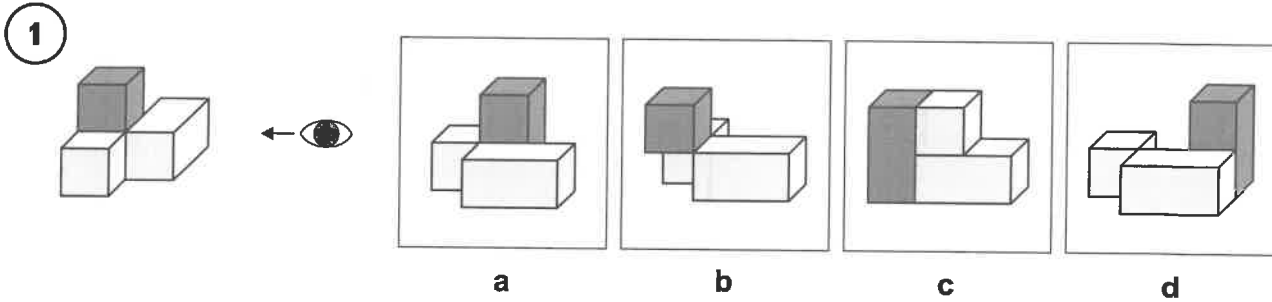
Section 4 — Look at the Figure from the Right

Look at the figure on the left. What would it look like if you saw it from the right-hand side? Choose the option on the right which looks like this.

Example:



Answer: c



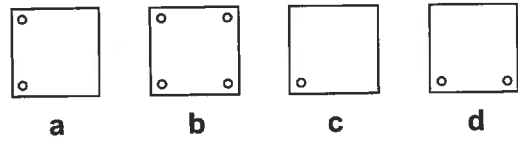
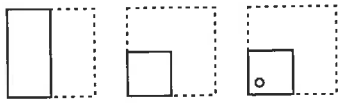
/ 4

Carry on to the next question → →

Section 5 — Fold and Punch

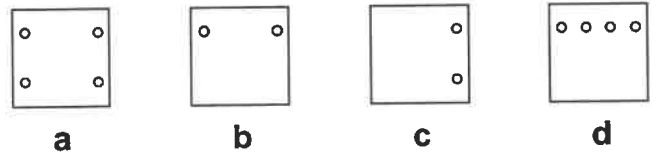
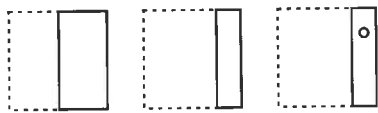
A square is folded and then a hole is punched, as shown on the left. Work out which option shows the square when unfolded.

Example:

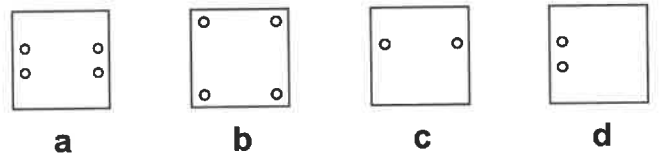
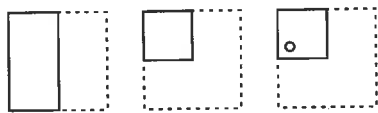


Answer: b

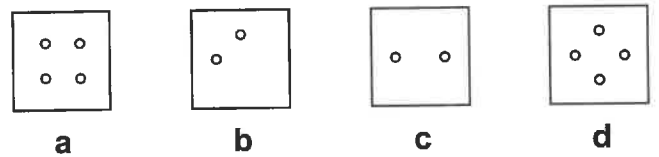
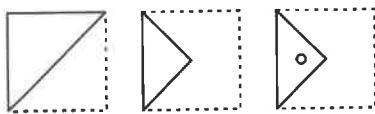
1



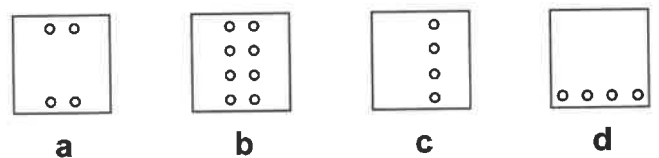
2



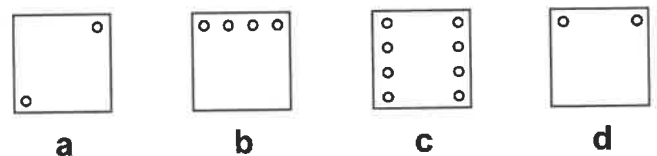
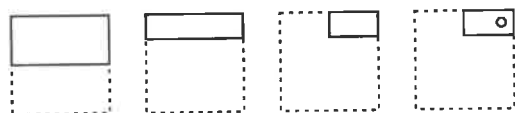
3



4



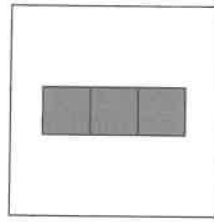
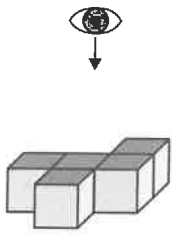
5



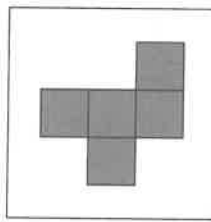
Section 6 — Look at the Figure from the Top

Look at the figure on the left. What would it look like if you saw it from the top?
Choose the option on the right which looks like this.

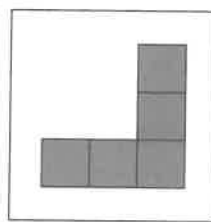
Example:



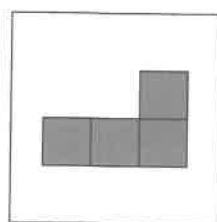
a



b



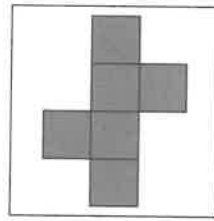
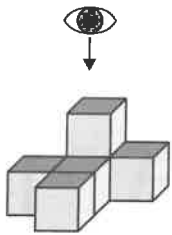
c



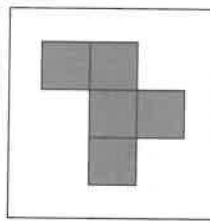
d

Answer: b

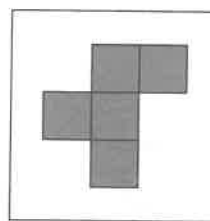
1



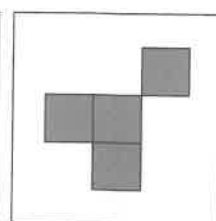
a



b

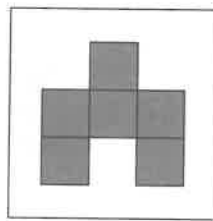
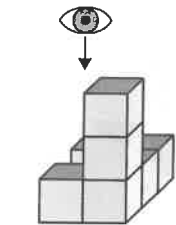


c

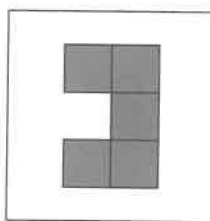


d

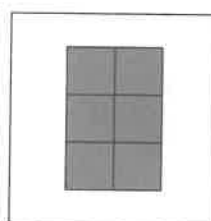
2



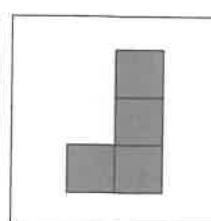
a



b

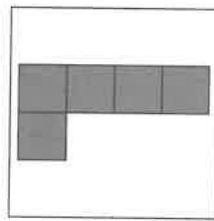
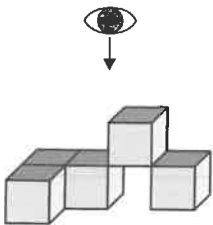


c

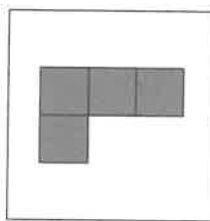


d

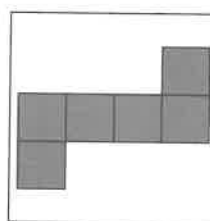
3



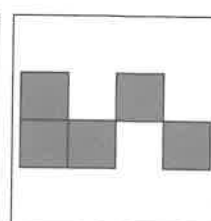
a



b

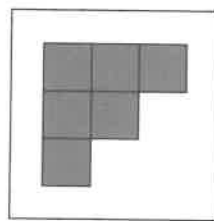
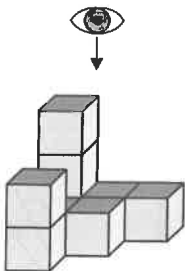


c

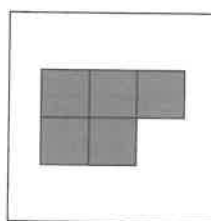


d

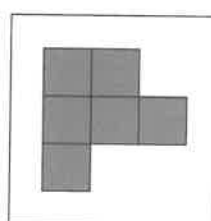
4



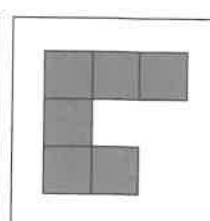
a



b



c



d

/ 4

Total / 28

End of Test

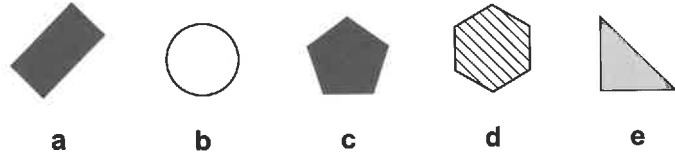
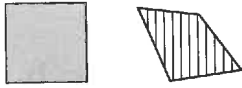
Assessment Test 11

You can print **multiple-choice answer sheets** for these questions from our website — go to cgpbooks.co.uk/11plus/answer-sheets. If you'd prefer to answer them in standard write-in format, just circle the letter underneath your answer. The test should take around 15 minutes.

Section 1 — Find the Figure Like the First Two

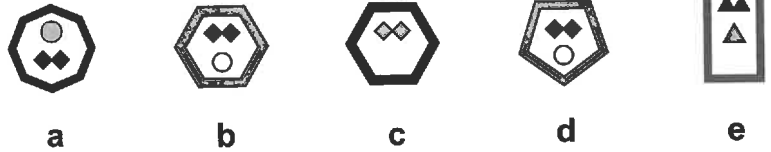
Work out which option is most like the two figures on the left.

Example:

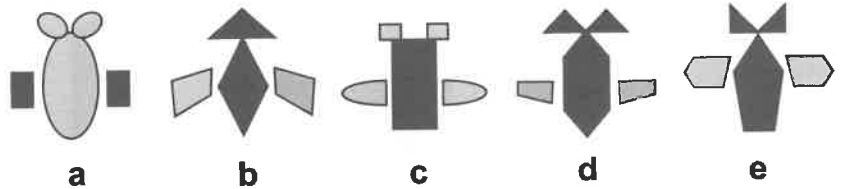
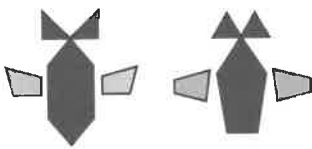


Answer: a

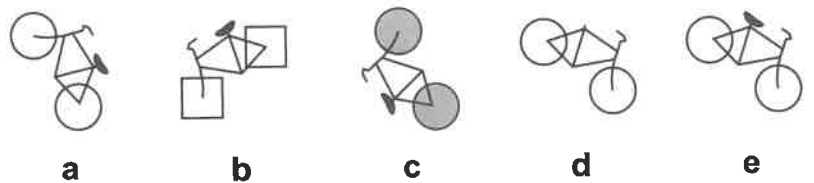
1



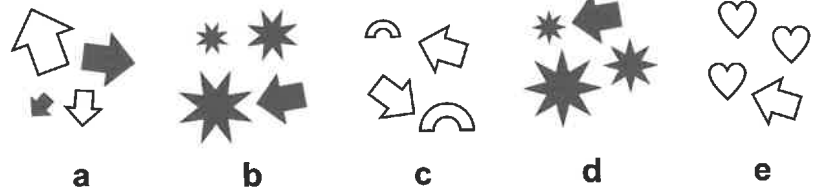
2



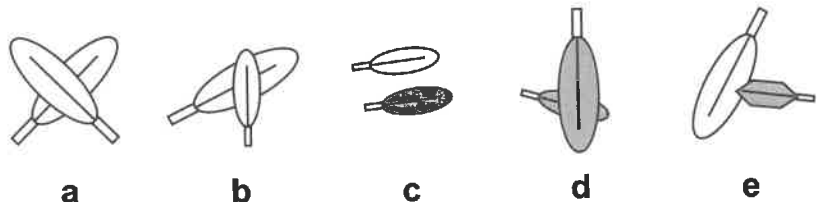
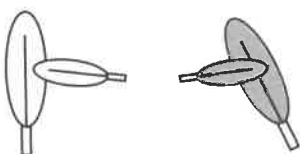
3



4



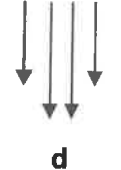
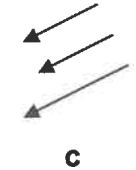
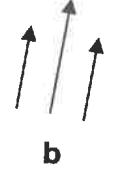
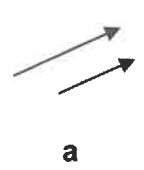
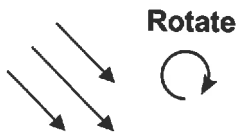
5



Section 2 — Rotate the Figure

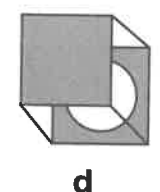
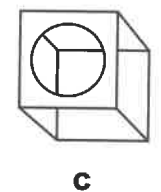
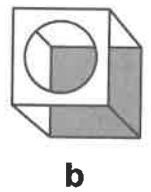
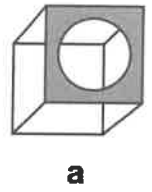
Work out which option would look like the figure on the left if it was rotated.

Example:

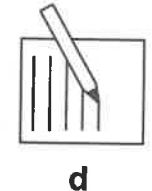
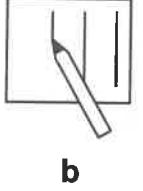
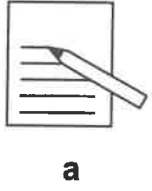


Answer: b

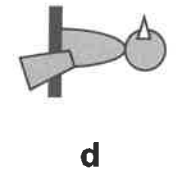
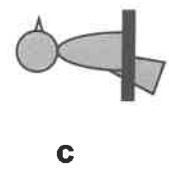
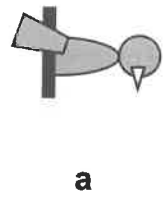
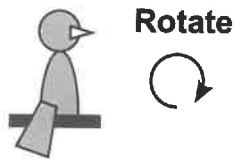
1



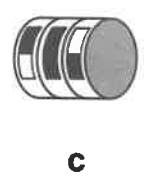
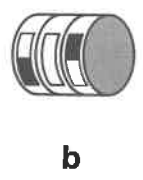
2



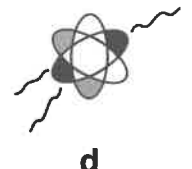
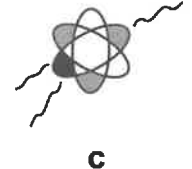
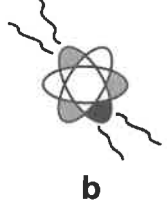
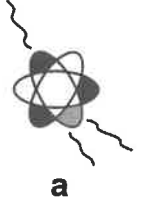
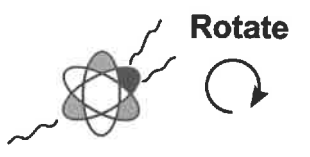
3



4



5



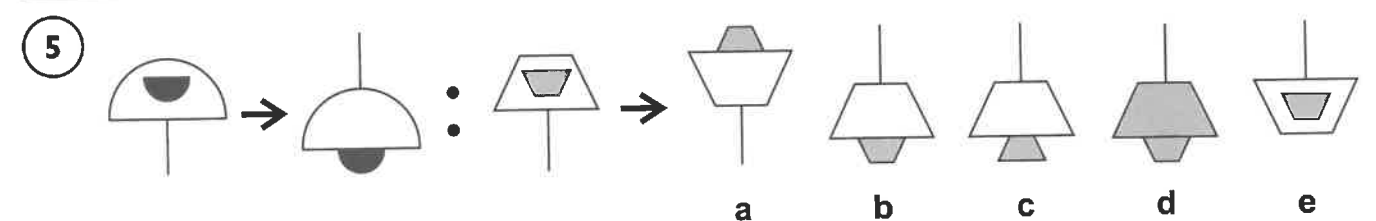
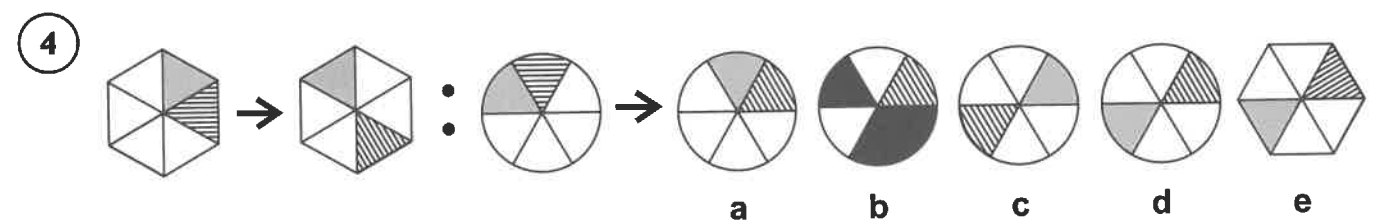
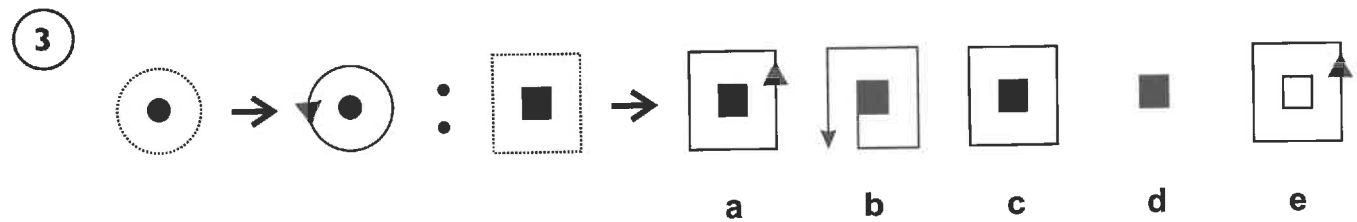
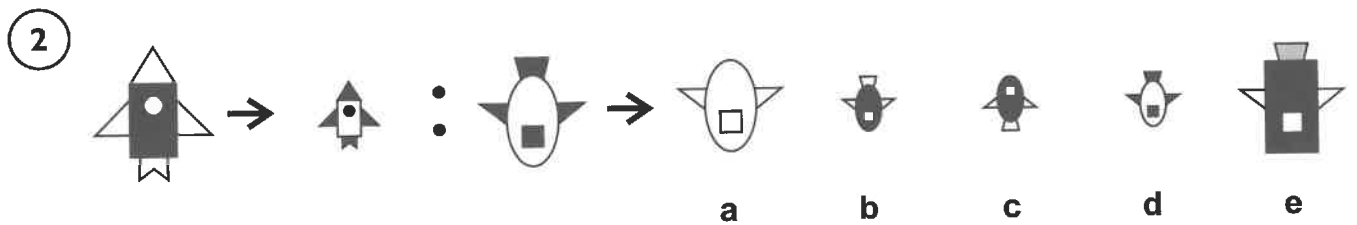
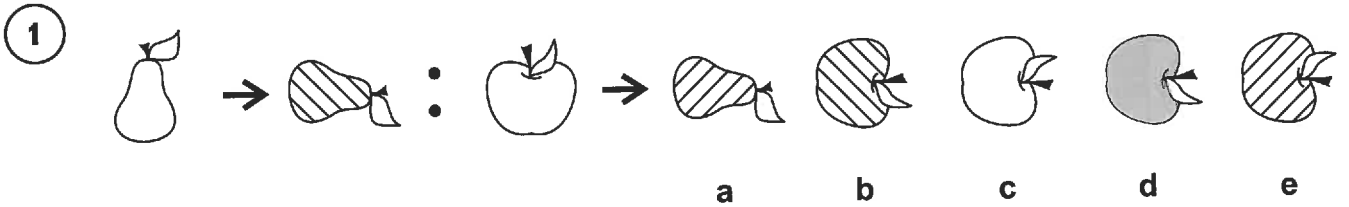
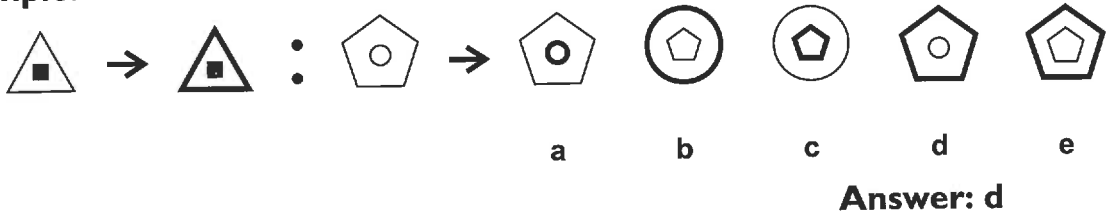
/ 5

Carry on to the next question → →

Section 3 — Complete the Pair

Look at how the first two figures are changed, and then work out which option would look like the third figure if you changed it in the same way.

Example:



Section 4 — Odd One Out

Find the figure in each row that is most unlike the other figures.

Example:



a



b



c



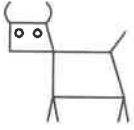
d



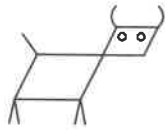
e

Answer: a

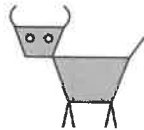
1



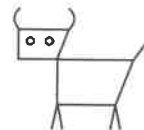
a



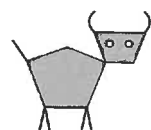
b



c



d



e

2



a



b



c

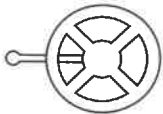


d

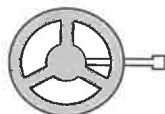


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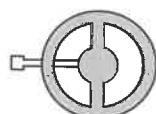
3



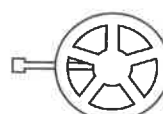
a



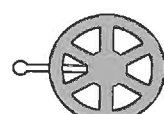
b



c



d



e

4



a



b



c



d

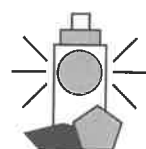


e

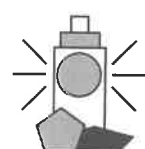
5



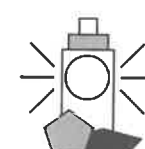
a



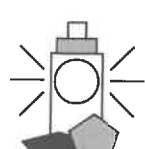
b



c



d



e

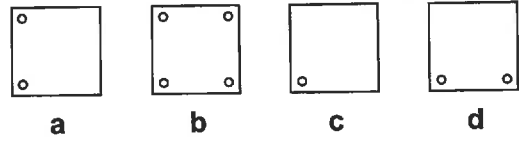
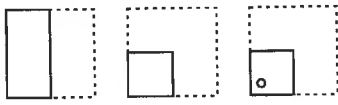
/ 5

Carry on to the next question → →

Section 5 — Fold and Punch

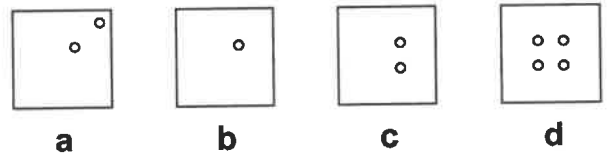
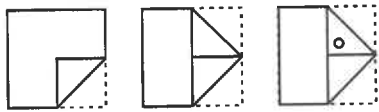
A square is folded and then a hole is punched, as shown on the left. Work out which option shows the square when unfolded.

Example:

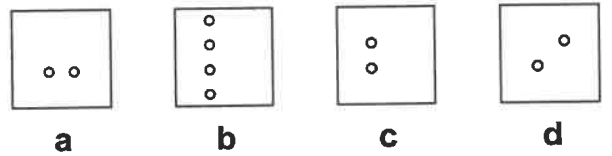
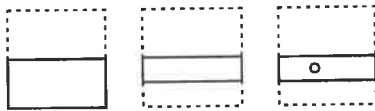


Answer: b

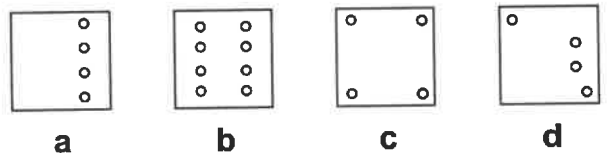
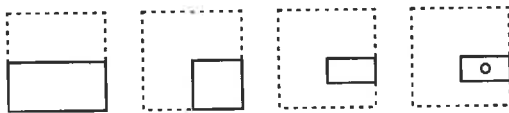
1



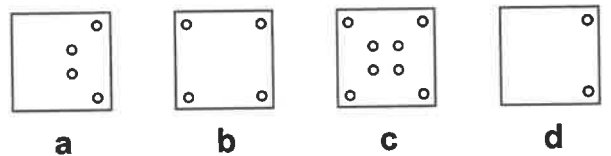
2



3



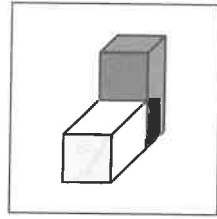
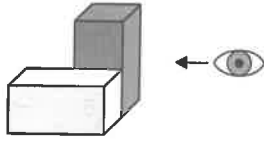
4



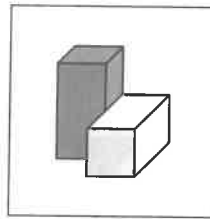
Section 6 — Look at the Figure from the Right

Look at the figure on the left. What would it look like if you saw it from the right-hand side? Choose the option on the right which looks like this.

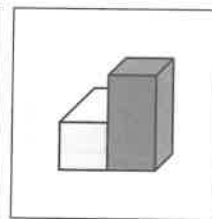
Example:



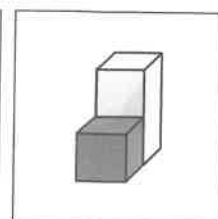
a



b



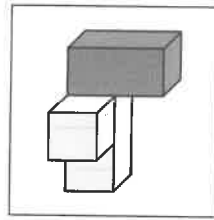
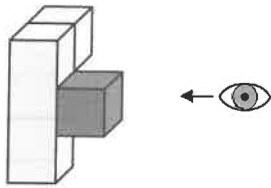
c



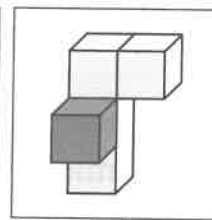
d

Answer: c

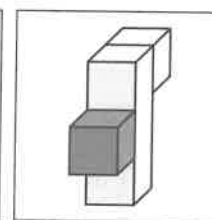
1



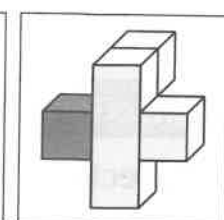
a



b

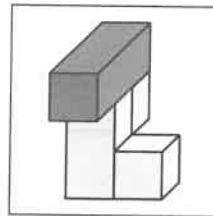
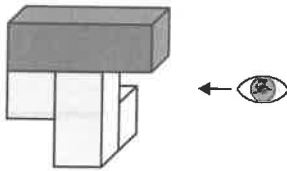


c

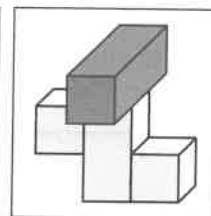


d

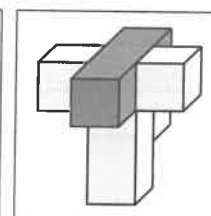
2



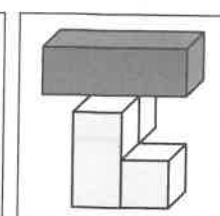
a



b

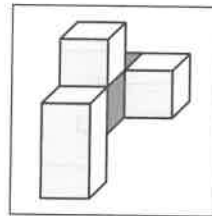
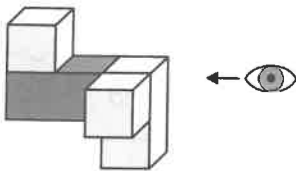


c

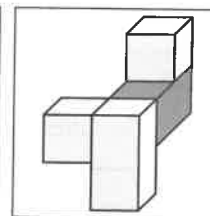


d

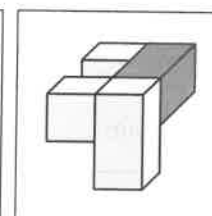
3



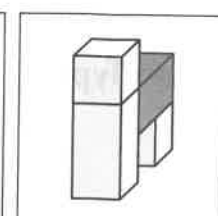
a



b

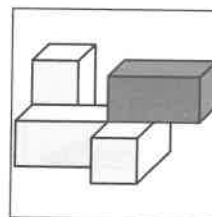
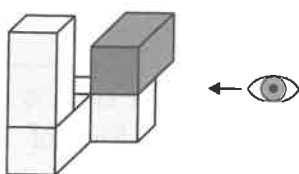


c

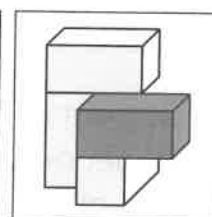


d

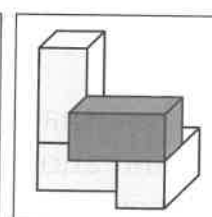
4



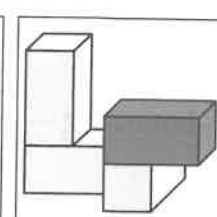
a



b



c



d

/ 4

Total / 28

End of Test

Glossary

Rotation

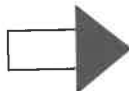
Rotation is when a shape is **turned** clockwise or anticlockwise.



Example
shape



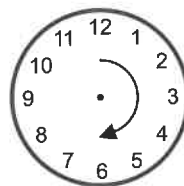
45 degree
rotation



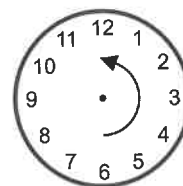
90 degree
rotation



180 degree
rotation



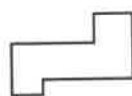
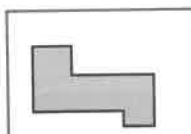
Clockwise is the
direction that the
hands on a clock move



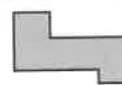
Anticlockwise
is the opposite
direction

Reflection

Reflection is when something is **mirrored** over a line (this line might be invisible).



The grey shape is
reflected across to
make the white shape.



The grey shape is
reflected down to
make the white shape.

Other terms

Figure — the picture as a whole that makes up one example or option in a question.

Line Types:



Thin



Thick



Dashed



Dotted



Curved



Jagged



Wavy

Shading Types:



Black



Grey



White



Two types of hatching

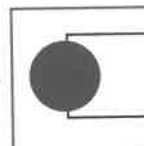


Cross-hatched



Spotted

Layering — when a shape is in front of or behind another shape, or when shapes overlap each other.



The circle is
in front of
the square.

Symmetry — a shape is symmetrical if it can be split into halves that are reflections of each other.