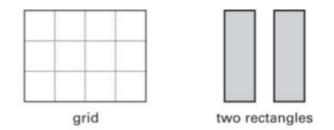
Symmetry-Questions

Key Stage 3: 2003 Paper 1 Level 3-5

1.

13. I have a square grid and two rectangles.

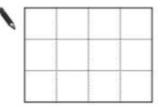


I make a pattern with the grid and the two rectangles:

The pattern has no lines of symmetry.

(a) Put both rectangles on the grid to make a pattern with two lines of symmetry.

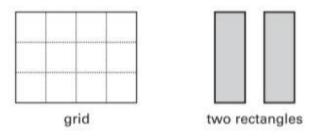
You must shade the rectangles.



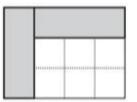
1 mark

Key Stage 3: 2003 Paper 1 Level 4-6

8. I have a square grid and two rectangles.



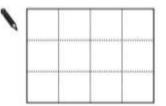
I make a pattern with the grid and the two rectangles:



The pattern has no lines of symmetry.

(a) Put both rectangles on the grid to make a pattern with two lines of symmetry.

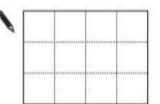
You must shade the rectangles.



3 mark

(b) Put both rectangles on the grid to make a pattern with only one line of symmetry.

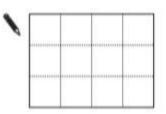
You must shade the rectangles.



1 mark

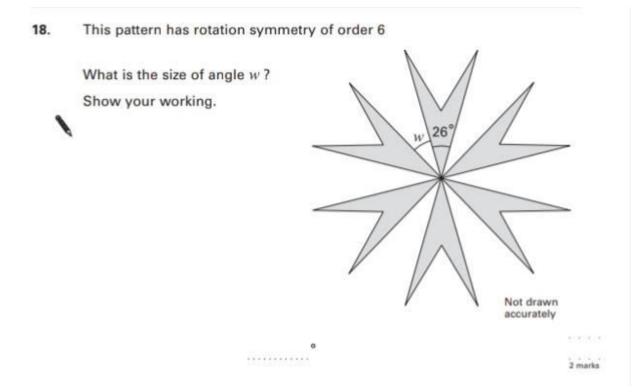
(c) Put both rectangles on the grid to make a pattern with rotation symmetry of order 2

You must shade the rectangles.



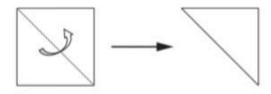
1 mark

Key Stage 3: Paper 2 Level 4-6

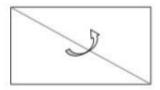


Key Stage 3: 2004 Paper 1 Level 3-5

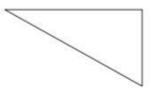
8. When you fold a square along a diagonal, you see a triangle.

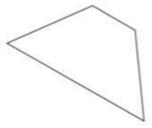


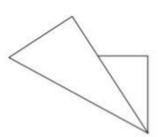
(a) What do you see when you fold a rectangle along a diagonal?

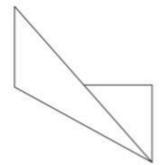


Ring the correct answer below.





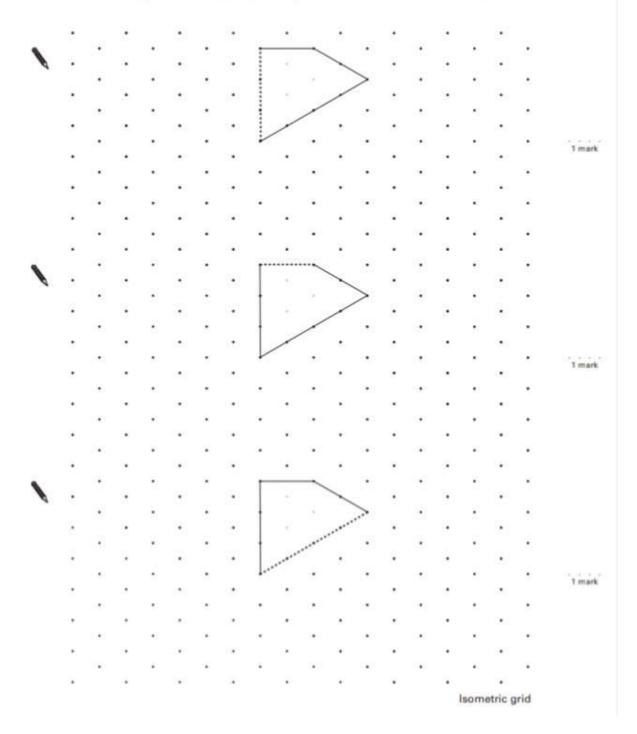




1 mark

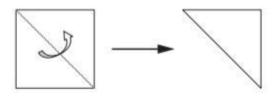
(b) Three different shapes are folded along a line of symmetry. For each shape, the **dashed line** is the **fold line**.

For each shape, draw what the shape looked like before it was folded.

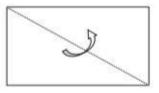


Key Stage 3: 2004 Paper 1 Level 4-6

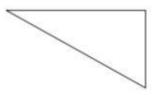
3. When you fold a square along a diagonal, you see a triangle.

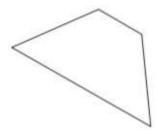


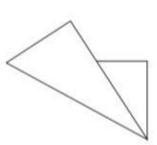
(a) What do you see when you fold a rectangle along a diagonal?

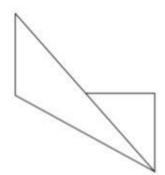


Ring the correct answer below.







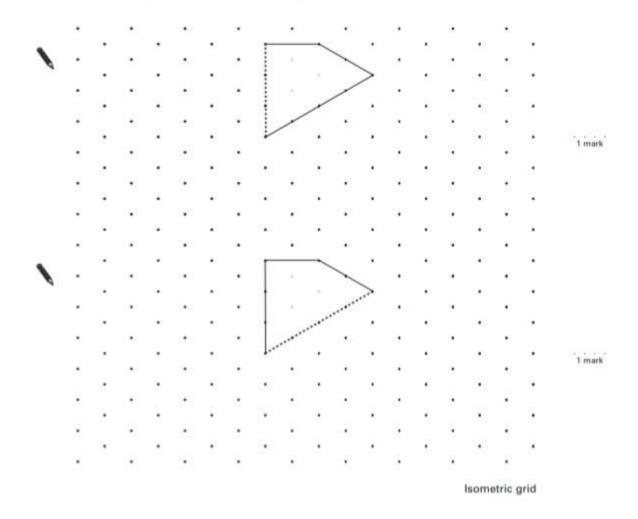


1 mark

(b) Two different shapes are folded along a line of symmetry.

For each shape, the dashed line is the fold line.

For each shape, draw what the shape looked like before it was folded.

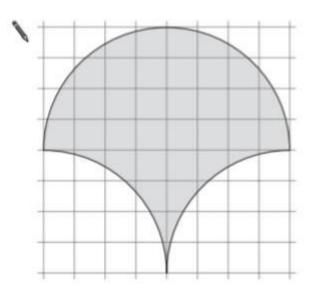


Key Stage 3: 2006 Paper 1 Level 3-5

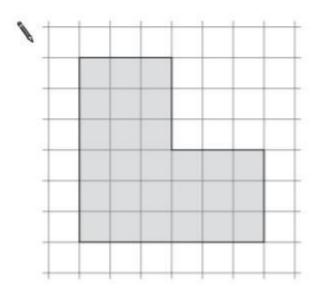
1. The shapes below are drawn on square grids.

Each shape has one line of symmetry.

Draw the line of symmetry on each shape.



1 mark



1.046

Key Stage 3: 2008 Paper 1 Level 3-5

 On the square grid below, some squares are shaded to make a pattern with exactly 4 lines of symmetry.

(a) On the square grid below, shade some squares to make a pattern with exactly 2 lines of symmetry.

6		

1 mark

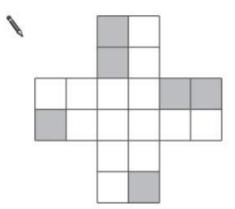
(b) On the square grid below, shade some squares to make a pattern with exactly 1 line of symmetry.

4			

1 mark

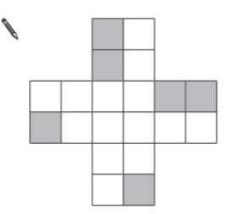
Key Stage 3: 2008 Paper 2 Level 3-5

23. (a) Shade two more squares on the shape below so that it has rotation symmetry of order 4



1 mark

(b) Now shade **four** more squares on the shape below so that it has **rotation symmetry** of order **2**



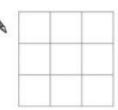
1 mark

Key Stage 3: 2008 Paper 1 Level 4-6

 On the square grid below, some squares are shaded to make a pattern with exactly 4 lines of symmetry.

-		_
	-	-

(a) On the square grid below, shade some squares to make a pattern with exactly 2 lines of symmetry.



1 mark

(b) On the square grid below, shade some squares to make a pattern

Key Stage 3: 2008 Paper 2 Level 4-6

Key Stage 3: 2009 Paper 1 Level 3-5