

Symmetry- Questions

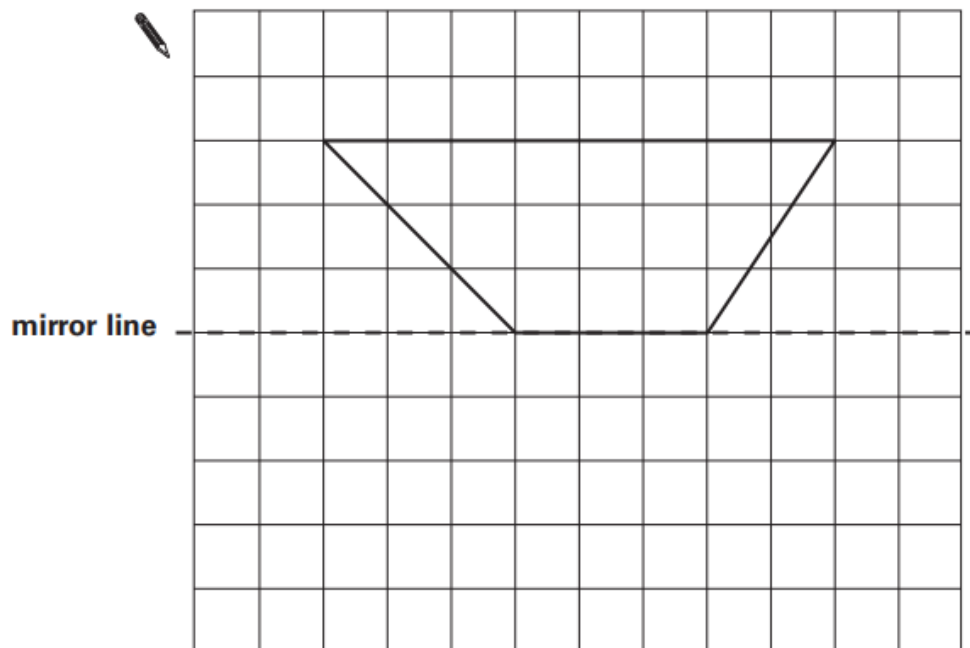
Key Stage 2: 2003 Paper A

1.

3

Complete the diagram below to make a shape that is symmetrical about the mirror line.

Use a ruler.



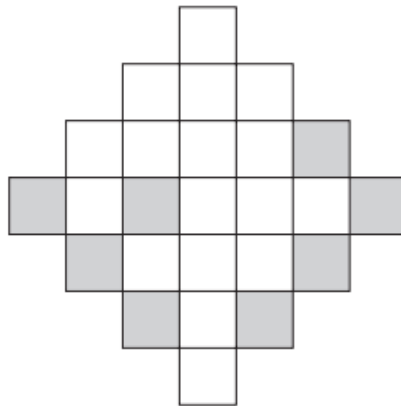
3
1 mark

2.

7

Here is a grid with eight squares shaded in.

Shade in **two more** squares to make a symmetrical pattern.



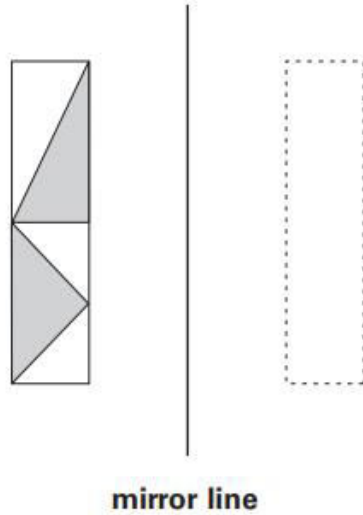
7

1 mark

1.

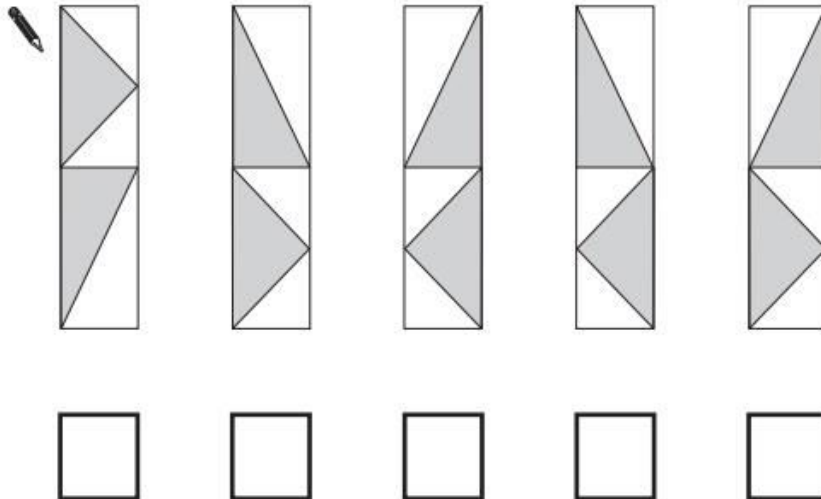
5

Here is a design and a mirror line.



Which **one** of the designs below is the reflection of the design in the mirror line?

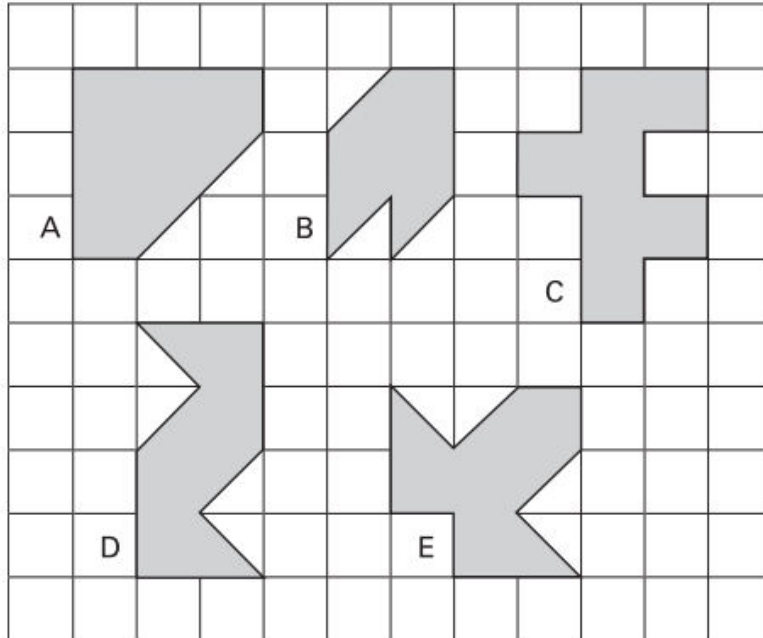
Tick (✓) the correct design.



2.

7

Here are five shapes on a square grid.



Write the letters of the **two** shapes which have a line of symmetry.

 and

7i

7ii

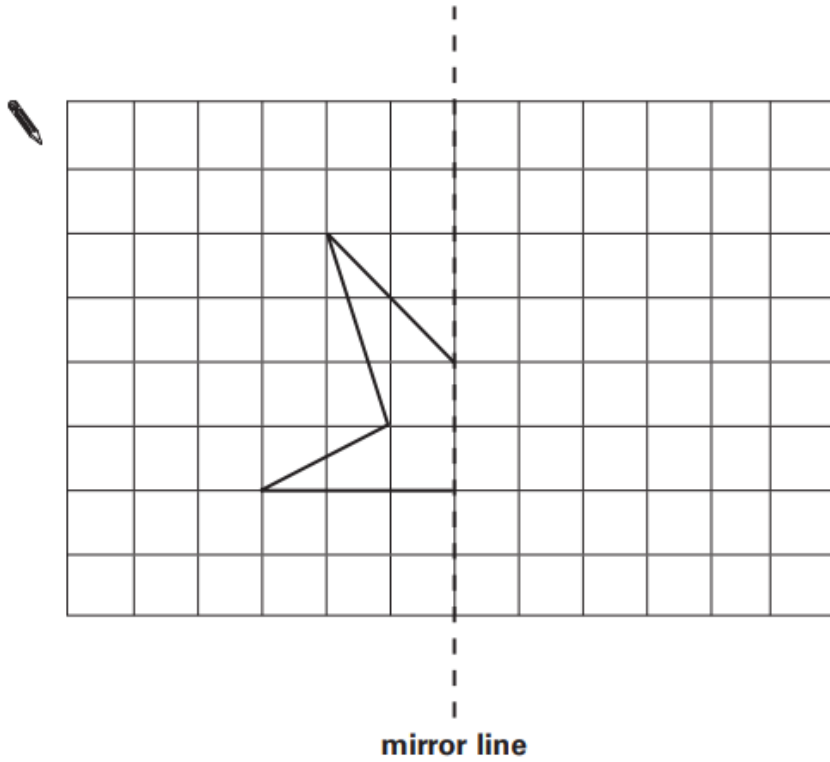
2 marks

1.

2

Complete the diagram below to make a shape that is symmetrical about the mirror line.

Use a ruler.



1 mark

2

Key Stage 2: 2005 Paper A

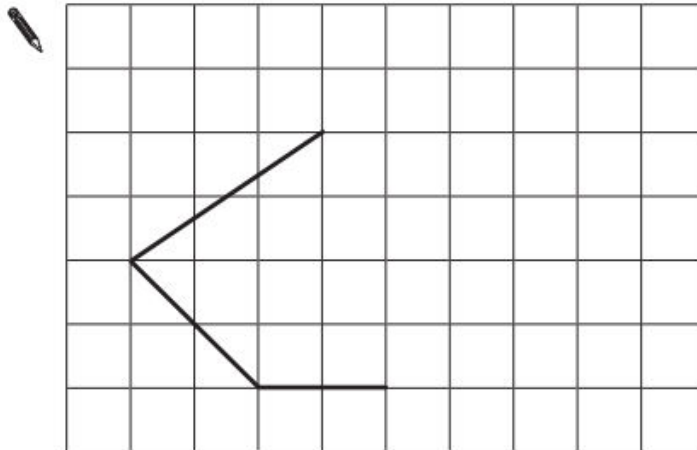
1.

13

Here is part of a shape on a square grid.

Draw **two more** lines to make a shape which has a line of symmetry.

Use a ruler.



13
1 mark

Key Stage 2: 2006 Paper A

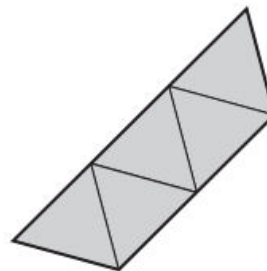
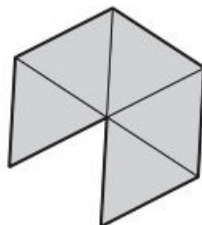
1.

2

These two shapes are made from equilateral triangles.

Draw **one** line of symmetry on each shape.

Use a ruler.



2
1 mark

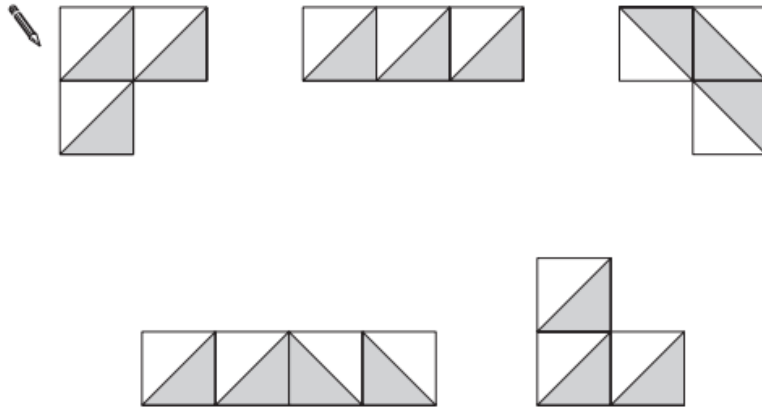
Key Stage 2: 2007 Paper A

1.

12

Here are five patterns.

For each pattern put a tick (✓) if it has a line of symmetry.
Put a cross (✗) if it does not.



12i

12ii

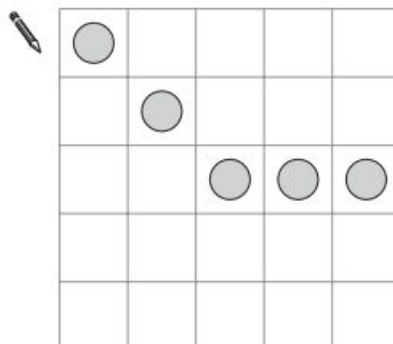
2 marks

Key Stage 2: 2008 Paper B

1.

13

Draw **two** more circles on this grid to make a design that has a line of symmetry.



13

1 mark

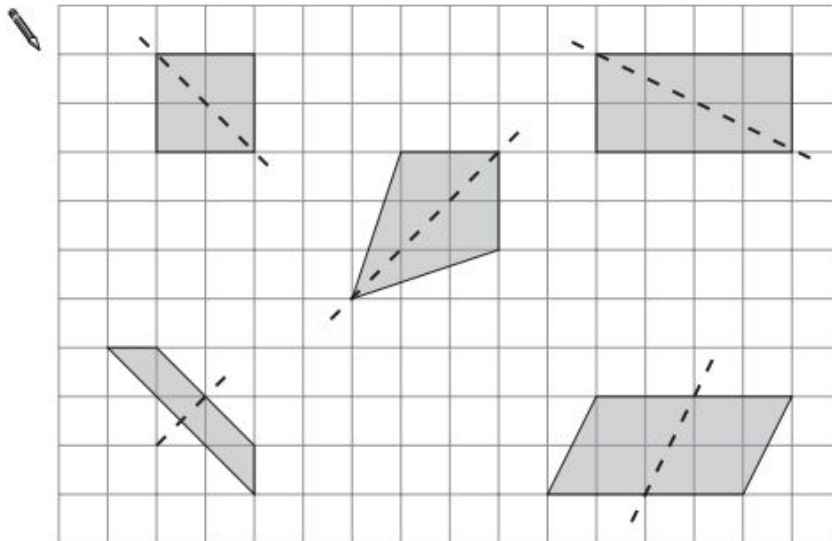
1.

8

Here are five quadrilaterals on a square grid.

A dotted line has been drawn on each quadrilateral.

For each shape, put a tick (✓) if the dotted line is a line of symmetry.
Put a cross (✗) if it is not a line of symmetry.



81
81
2 marks

1.

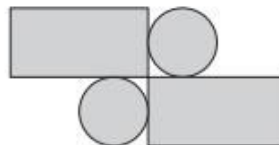
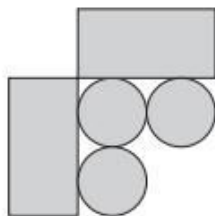
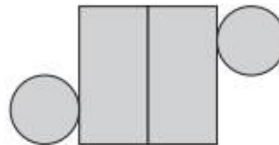
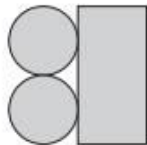
16

Amy has some circular tiles and some rectangular tiles.



She makes these patterns with them.

For each pattern, put a tick (✓) if it has a line of symmetry.
Put a cross (✗) if it does not.

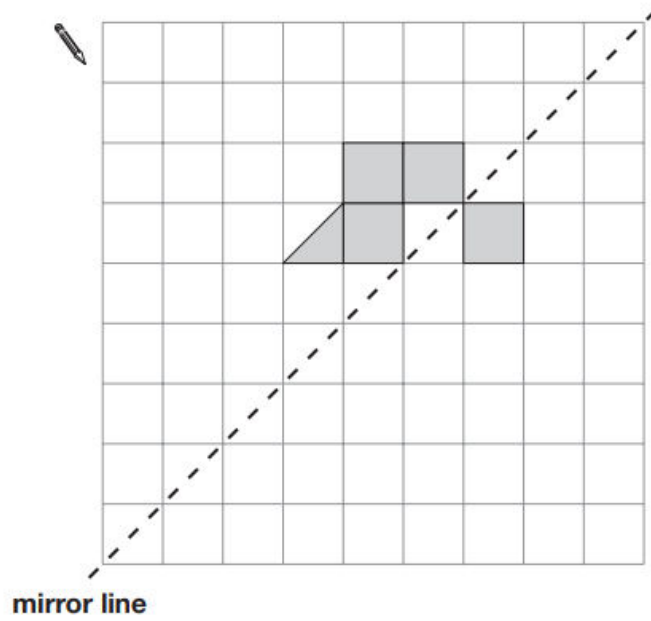


161
161
2 marks

1.

10

Shade **two** squares and **one** triangle to make this design symmetrical about the mirror line.



10

1 mark

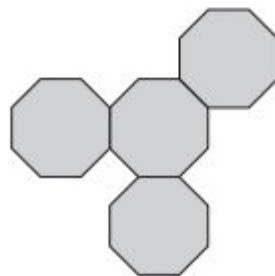
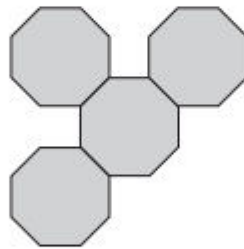
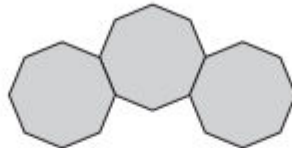
1.

3

These diagrams are made from regular octagons.

Draw the line of symmetry on each diagram.

Use a ruler.

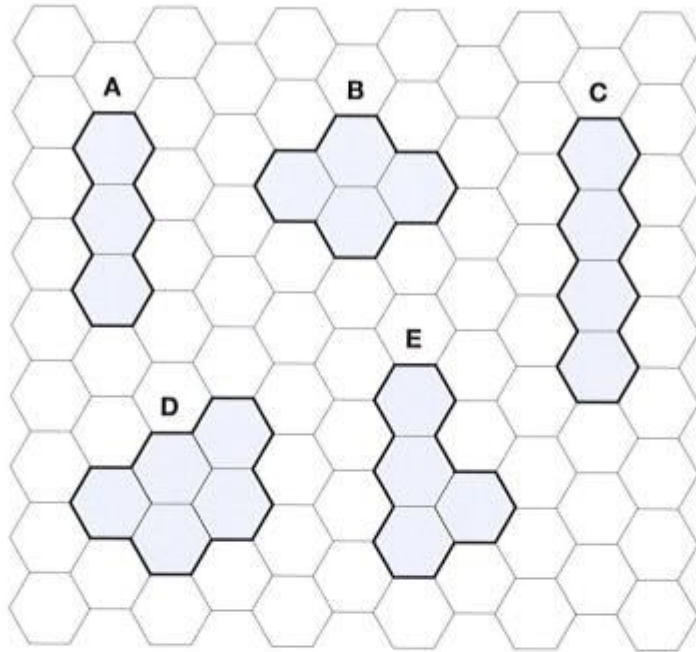


_____ 3
_____ 3
_____ 2 marks

1.

13

Here are five shapes on a regular grid.



Which shape has the longest **perimeter**?



13a

1 mark

Which shape has only one **line of symmetry**?



13b

1 mark

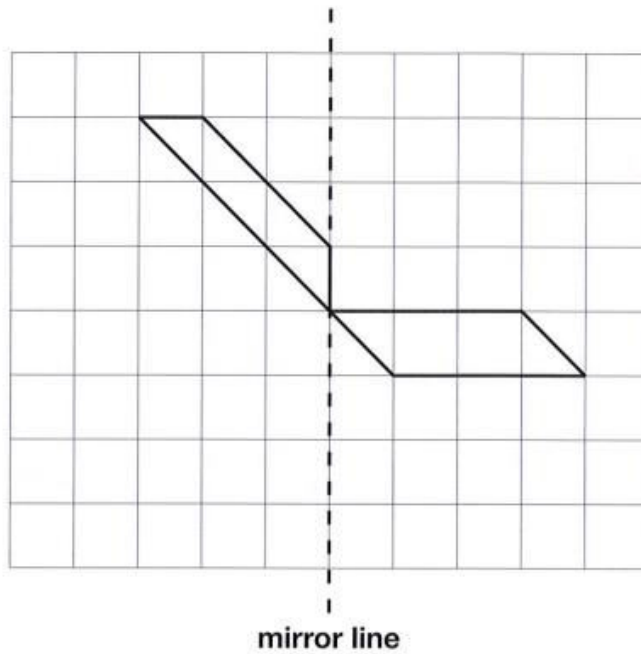
1.

9

Here is a design on a square grid.

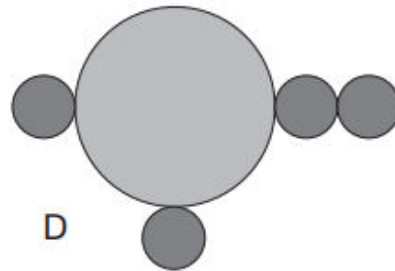
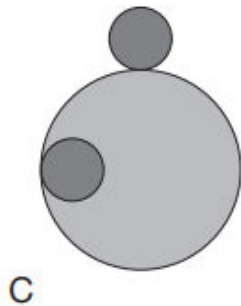
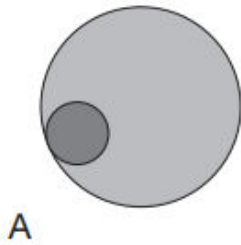
Complete the design so that it is symmetrical about the mirror line.

Use a ruler.



1.

10 Here are four designs made from two sizes of circles.



Write the letters of **all** the designs that have line symmetry.



10i

10ii

2 marks

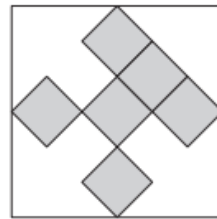
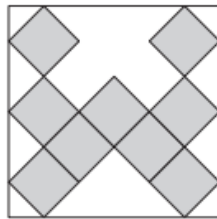
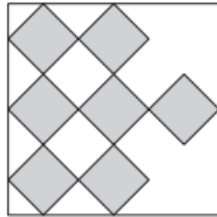
1.

4

These three square tiles have symmetrical patterns on them.

Draw the line of symmetry on each tile.

Use a ruler.



4i

4ii

2 marks