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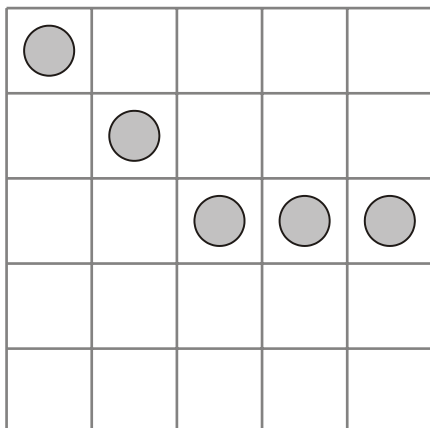
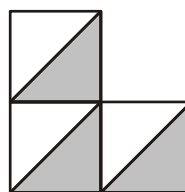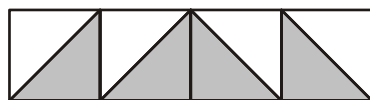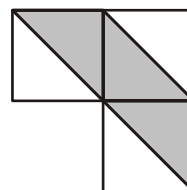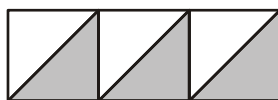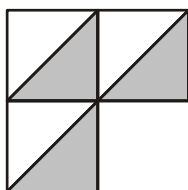

1 mark

2. Here are five patterns.
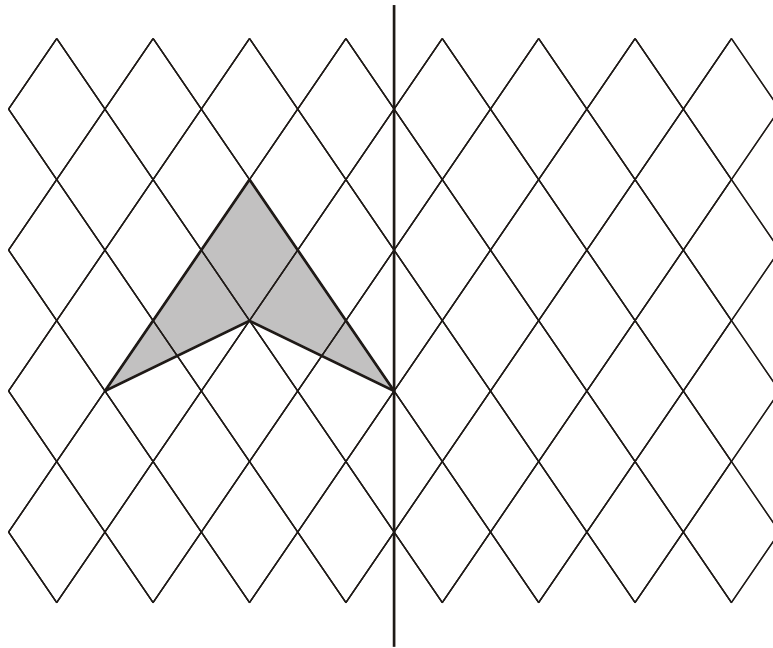
For each pattern put a tick (✓) if it has a line of symmetry.

Put a cross (✗) if it does not.

2 marks

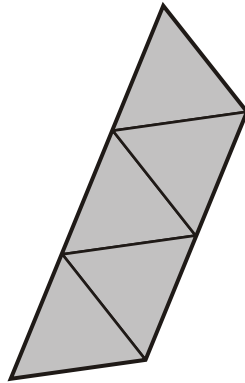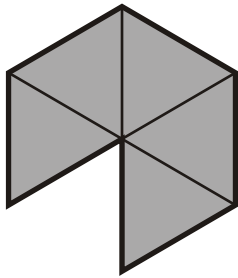**3.** Draw the reflection of the shaded shape in the mirror line.

Use a ruler.

1 mark

mirror line

4. These two shapes are made from equilateral triangles.

Draw one line of symmetry on each shape.

Use a ruler.

✎
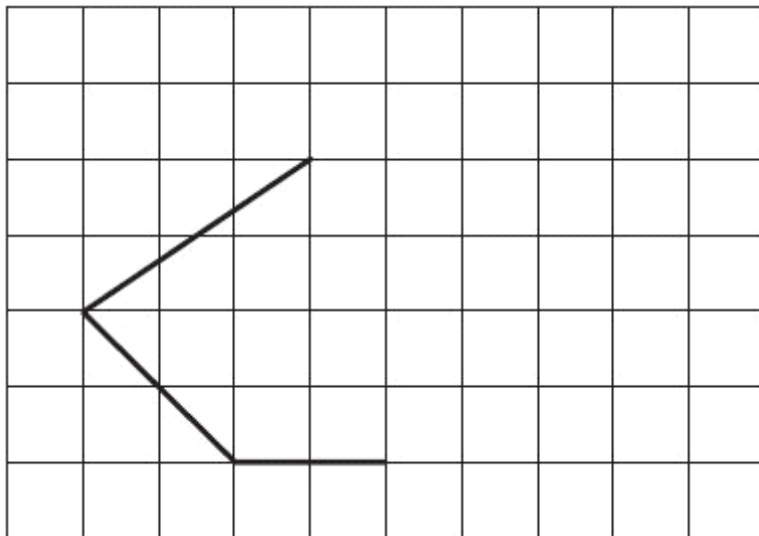

1 mark

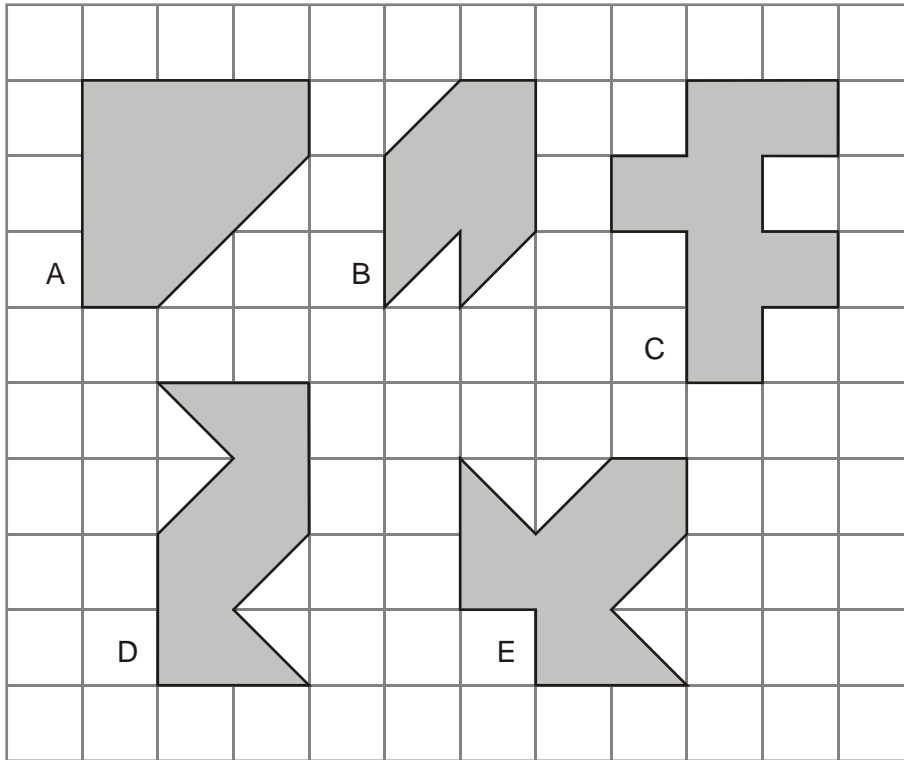**5.** Here is part of a shape on a square grid.

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

Use a ruler.

✎

1 mark

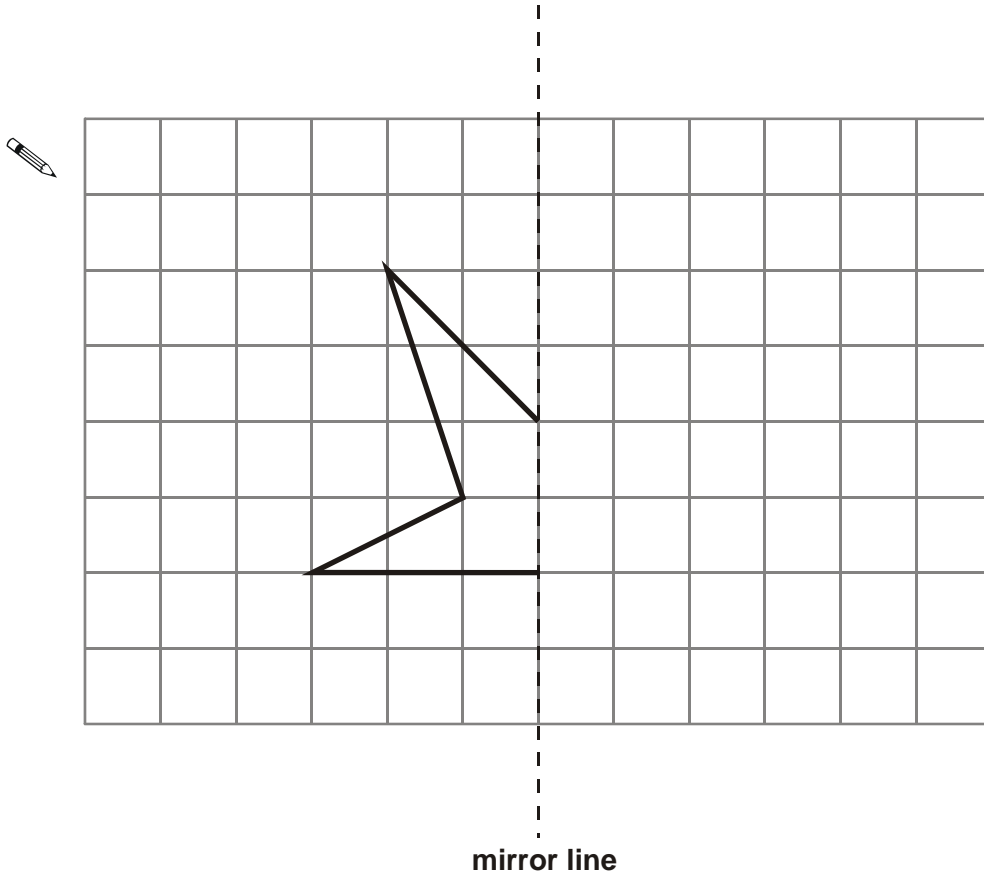**6.**   Here are five shapes on a square grid.

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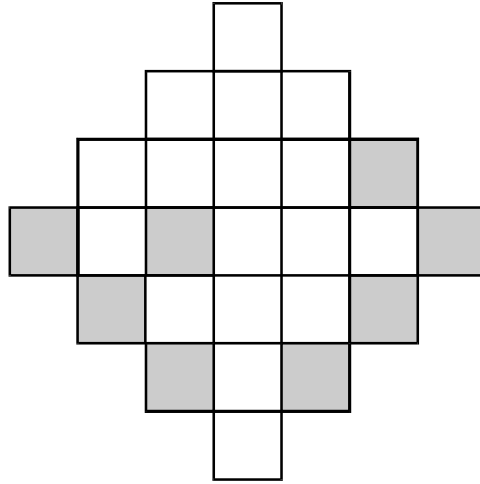
✏ .... and ....

2 marks

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

Use a ruler.

mirror line

1 mark

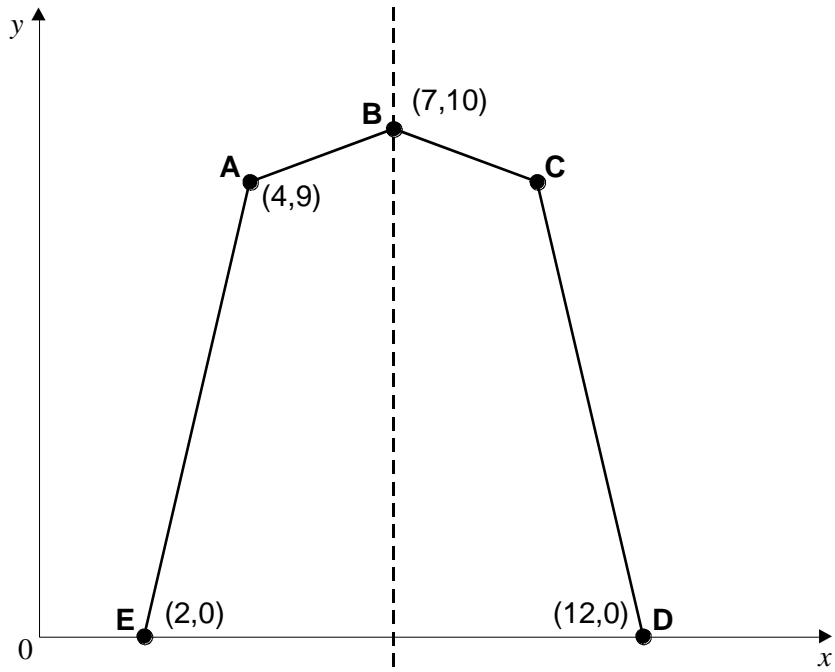**8.** Here is a grid with eight squares shaded in.

Shade in two more squares to make a symmetrical pattern.

1 mark

9. Here is a pentagon drawn on a coordinate grid.
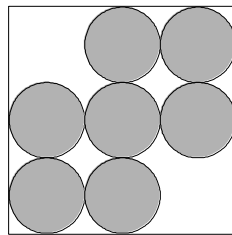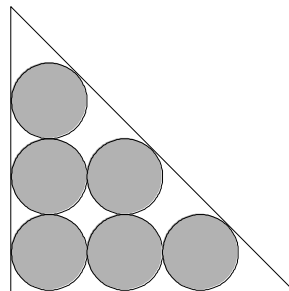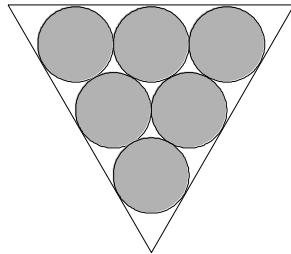
The pentagon is symmetrical.

What are the coordinates of point **C**?

(⎯ , ⎯)

1 mark

10. Use a ruler to draw **one** line of symmetry on **each** of these designs.
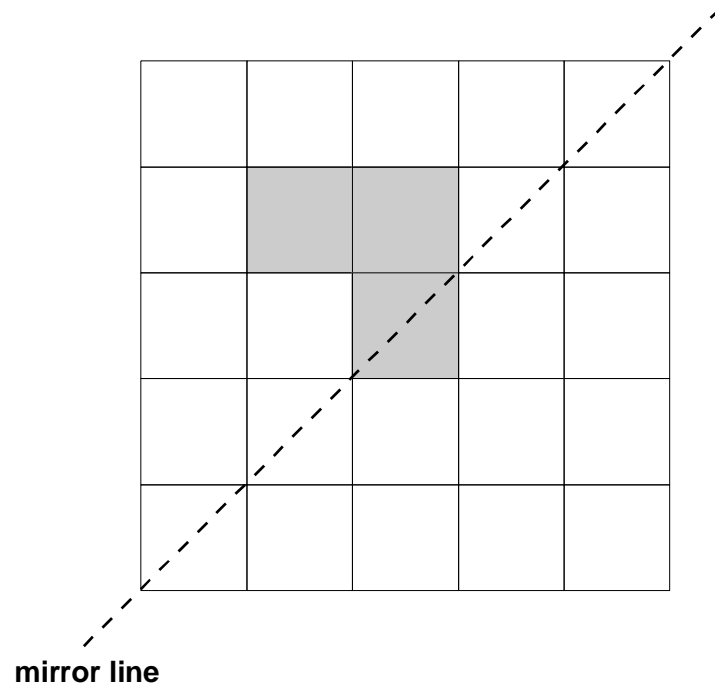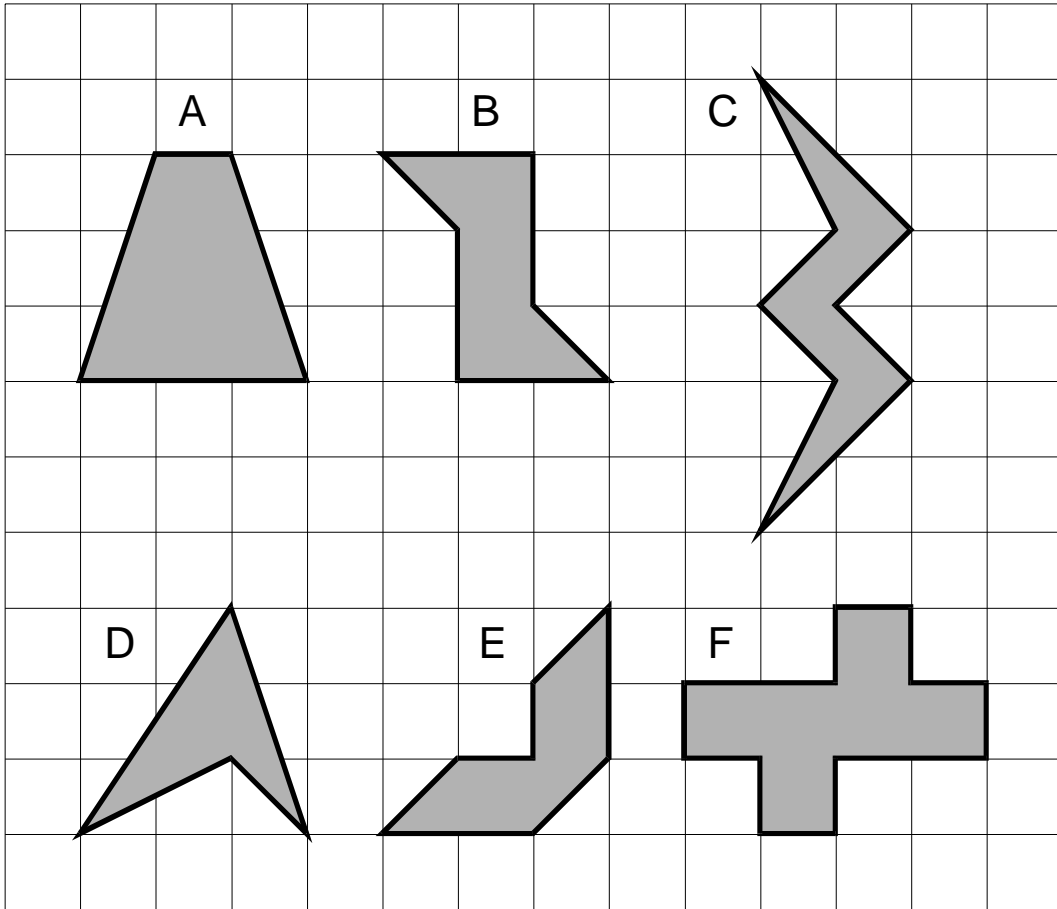
You may use a mirror or tracing paper.

2 marks

11. Shade in **two more squares** to make this design symmetrical about the mirror line.

You may use a mirror or tracing paper.

mirror line

1 mark

12. Here are some shaded shapes on a grid.

Which **three** shapes have **reflective symmetry**?

You may use a mirror or tracing paper.

✎

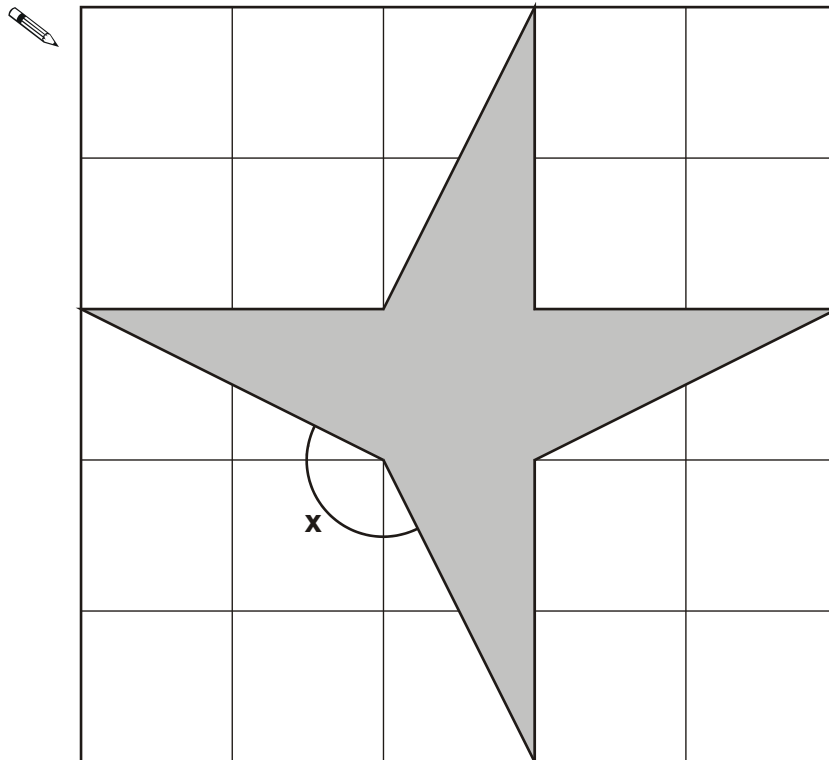................................   ....

2 marks
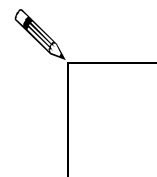
13. Here is a shaded shape on a grid made of squares.

Draw the line of symmetry of the shaded shape.
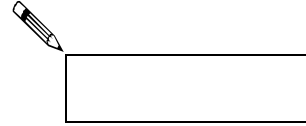
You may use a mirror or tracing paper.

What **fraction** of the area of the grid is shaded?
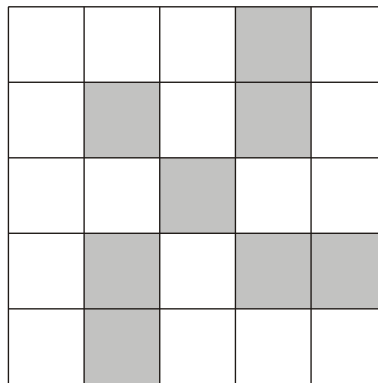
Measure **angle x** in degrees.

Use an angle measurer (protractor).

1 mark

14. Shade in **one more** square so that this design has **rotational** symmetry of **order 4**.

You may use tracing paper

1 mark