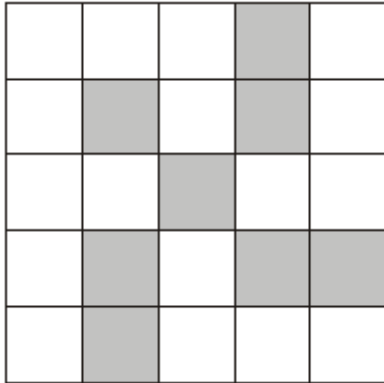


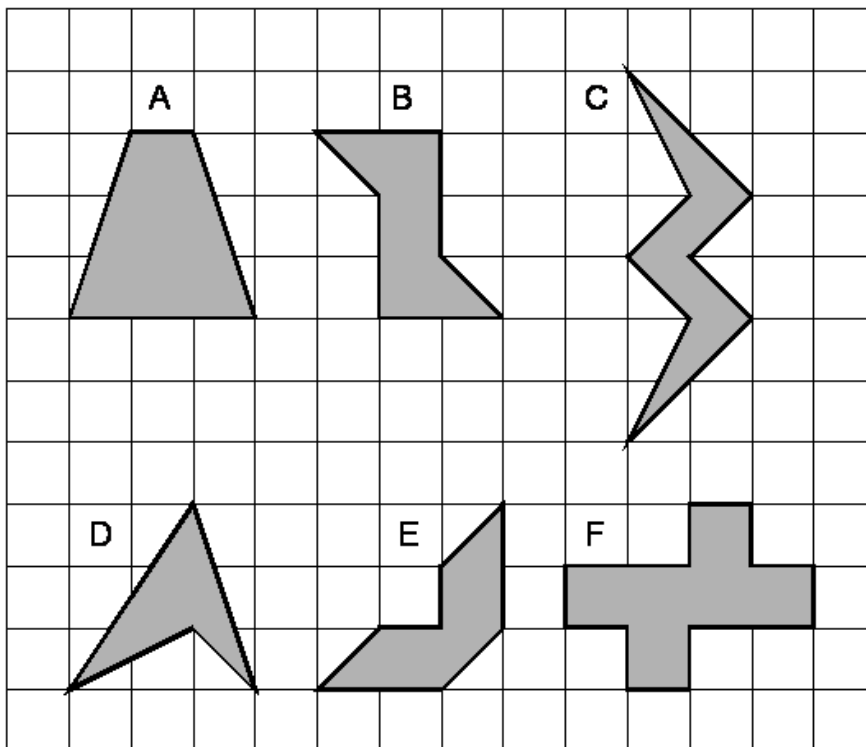
**Q1.** Shade in **one more** square so that this design has **rotational** symmetry of **order 4**.

You may use tracing paper



1 mark

**Q2.** Here are some shaded shapes on a grid.



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

You may use a mirror or tracing paper.

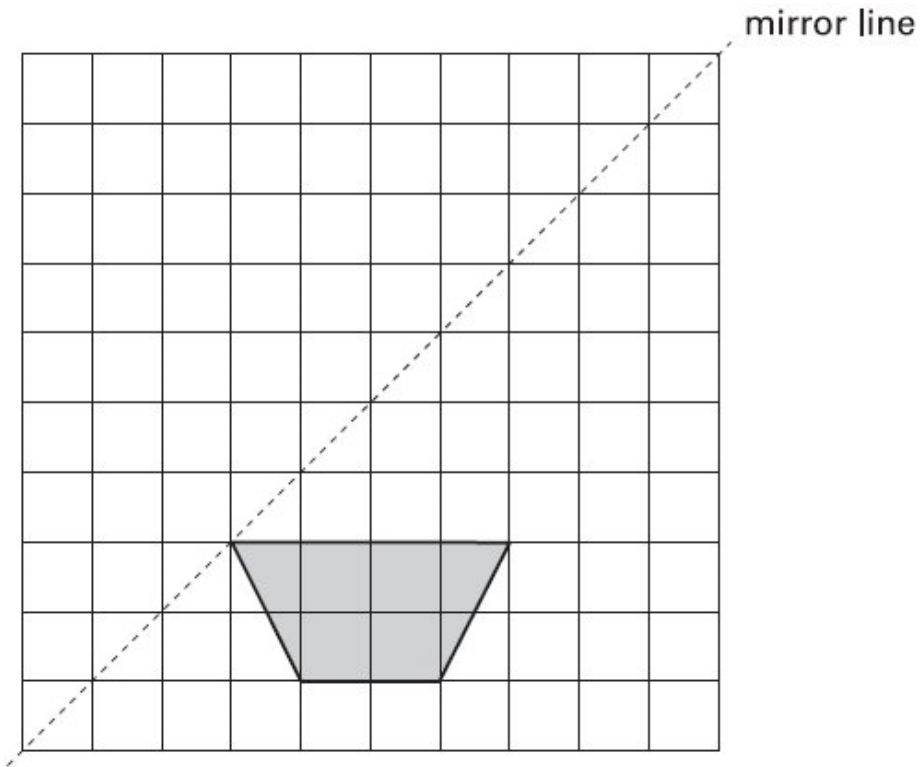


.....

.....

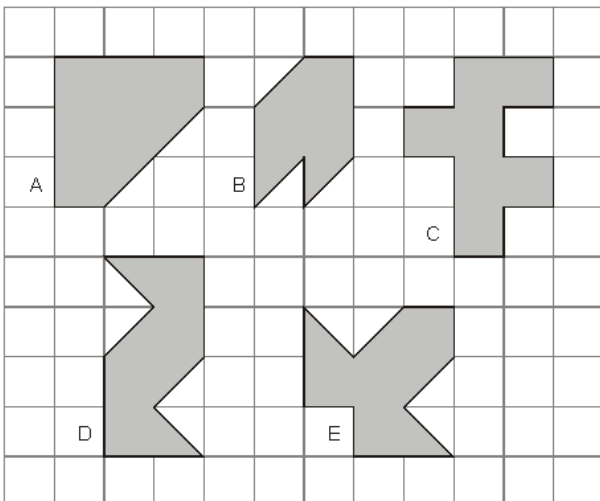
.....

Q3. Draw the reflection of this shape.



1 mark

Q4. Here are five shapes on a square grid.



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

..... and .....

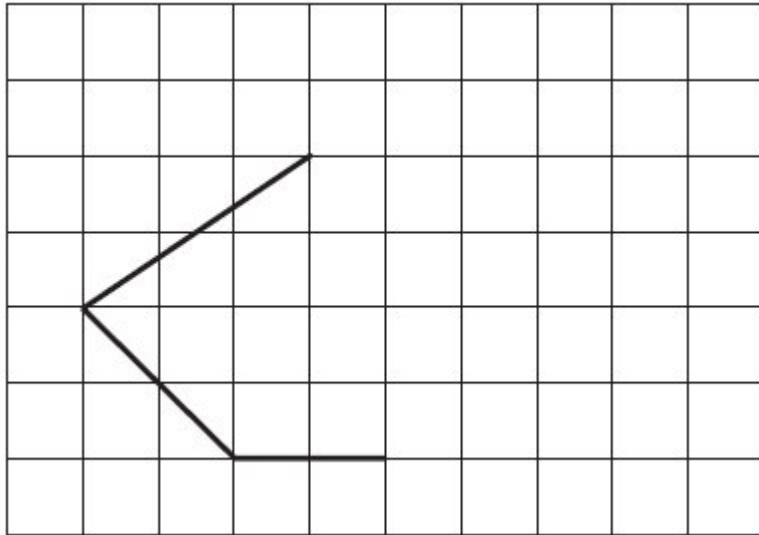
2 marks

**Q5.** 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.

*Handwritten mark*



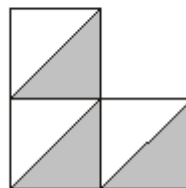
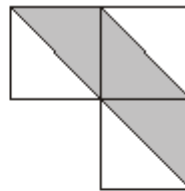
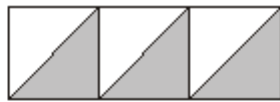
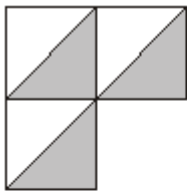
1 mark

**Q6.** Here are five patterns.

For each pattern put a tick (✓) if it has a line of symmetry.

Put a cross (✗) if it does not.

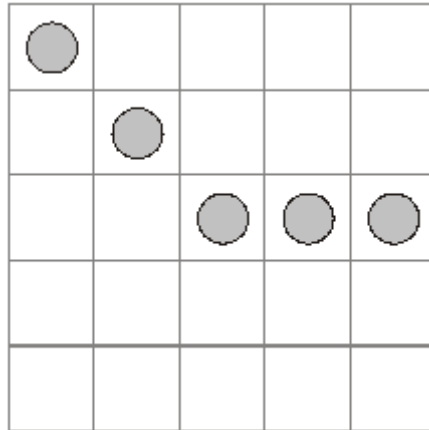
*Handwritten mark*



2 marks

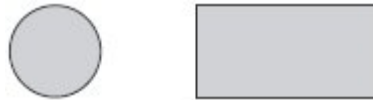
**Q7.** Draw **two** more circles on this grid to make a design that has a line of symmetry.

*Handwritten mark*



1 mark

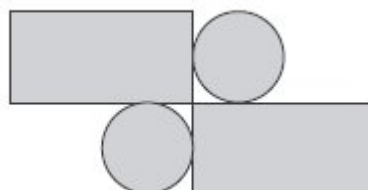
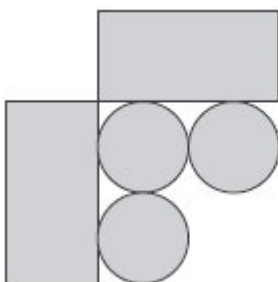
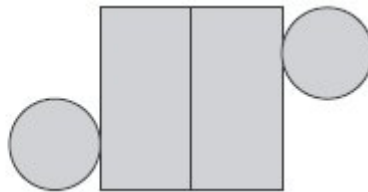
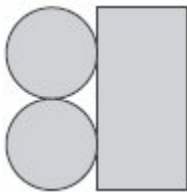
**Q8.** Amy has some circular tiles and some rectangular tiles.



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.

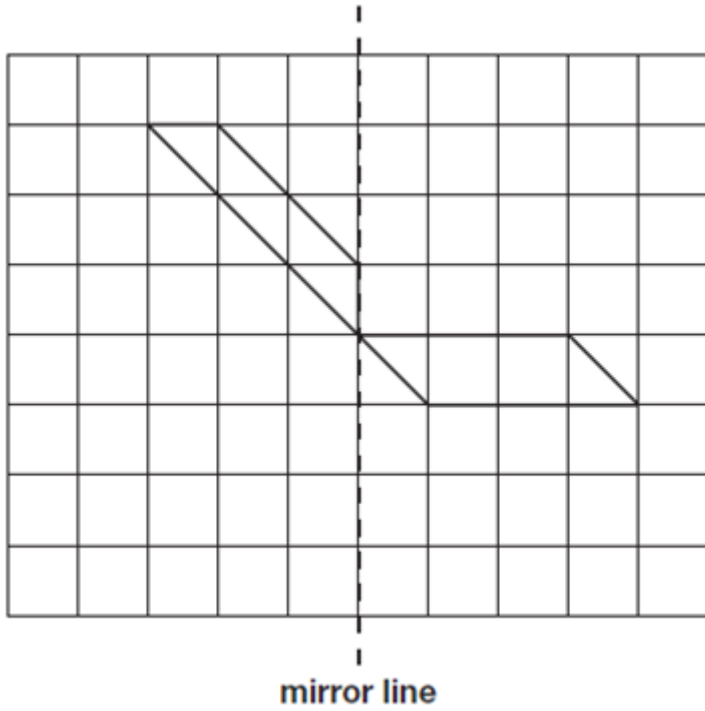
*Handwritten mark*



**Q9.** Here is a design on a square grid.

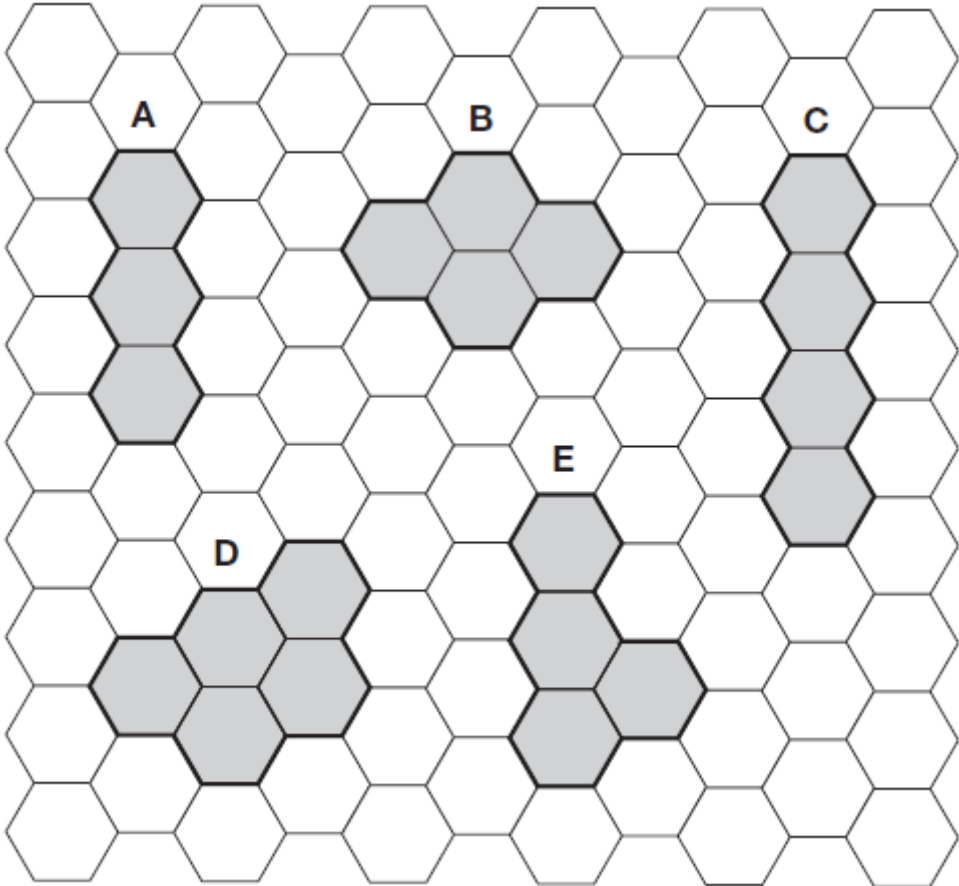
Complete the design so that it is symmetrical about the mirror line.

Use a ruler.



1 mark

**Q10.** Here are five shapes on a regular grid.



Which shape has the longest **perimeter**?



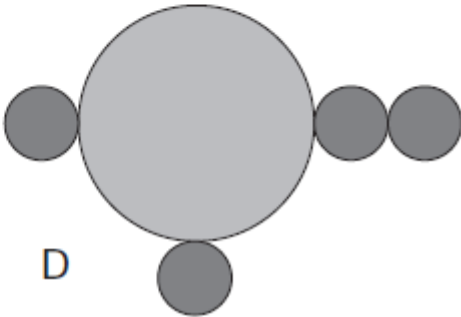
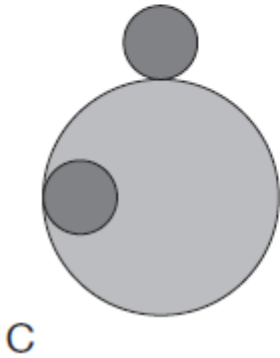
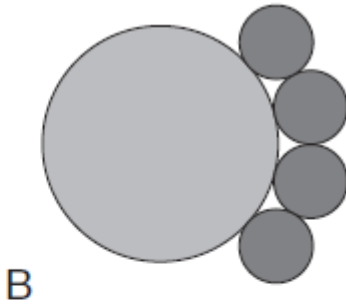
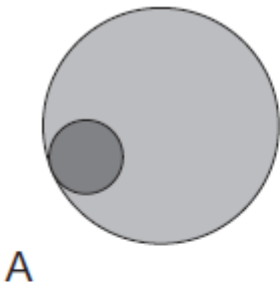
1 mark

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




1 mark

Q11. Here are four designs made from two sizes of circles.



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

 .....

2 marks