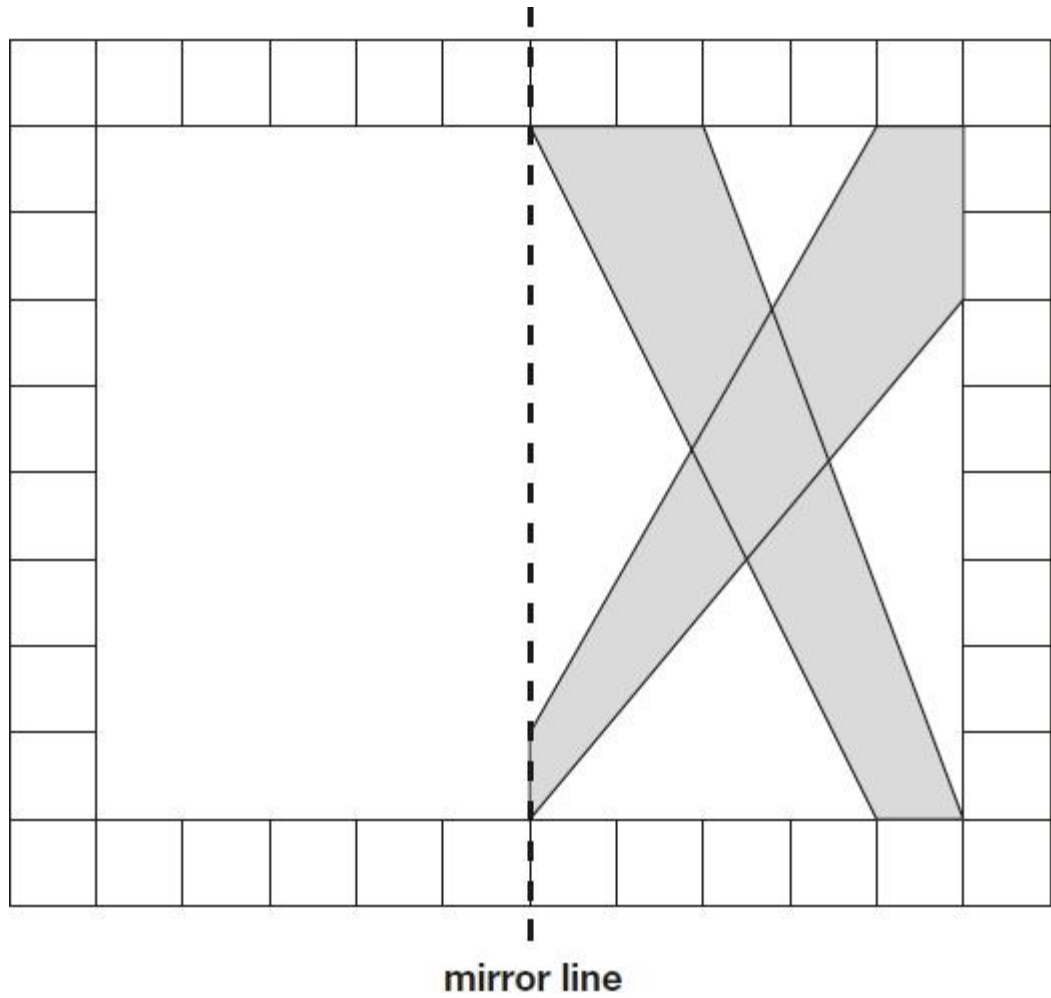


Q1.

This diagram shows a shaded shape inside a border of squares.

Draw the reflection of the shape in the mirror line.

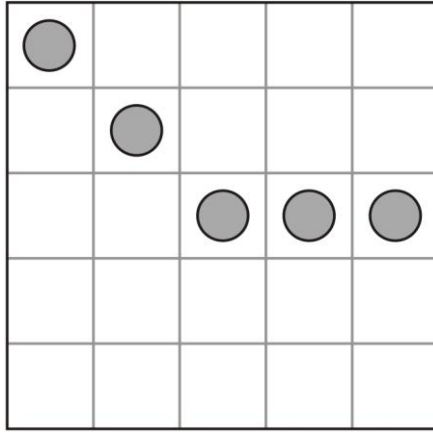
Use a ruler.



1 mark

Q2.

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



1 mark

Q3.

The letter **D** has a line of symmetry.

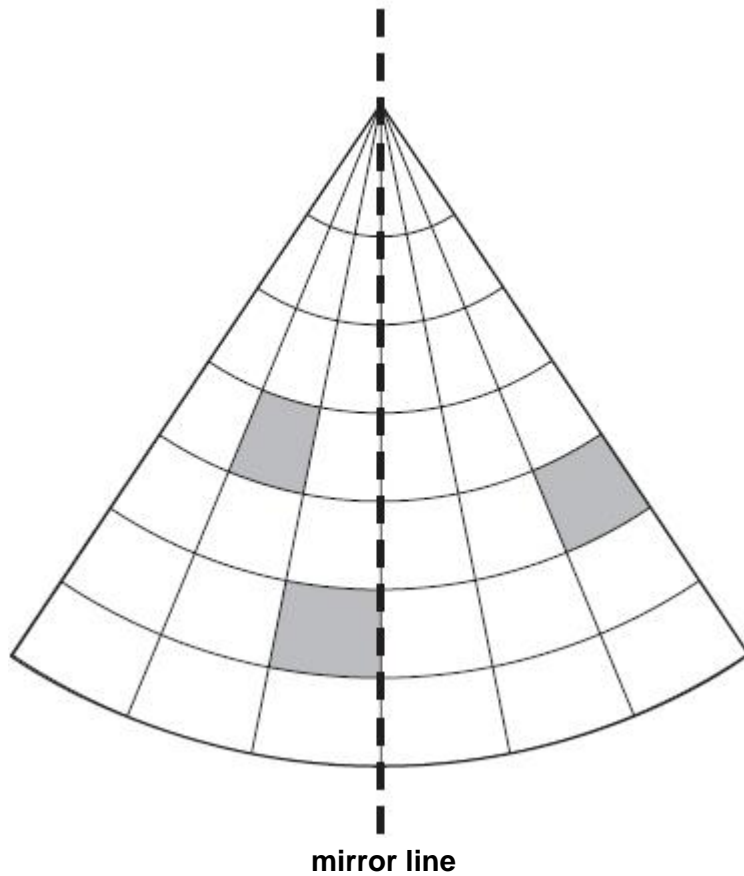
Tick (✓) **all** the other letters that have a line of symmetry.

D	M	E	S	N
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

1 mark

Q4.

Draw the reflection of **all** the shaded shapes in the mirror line.

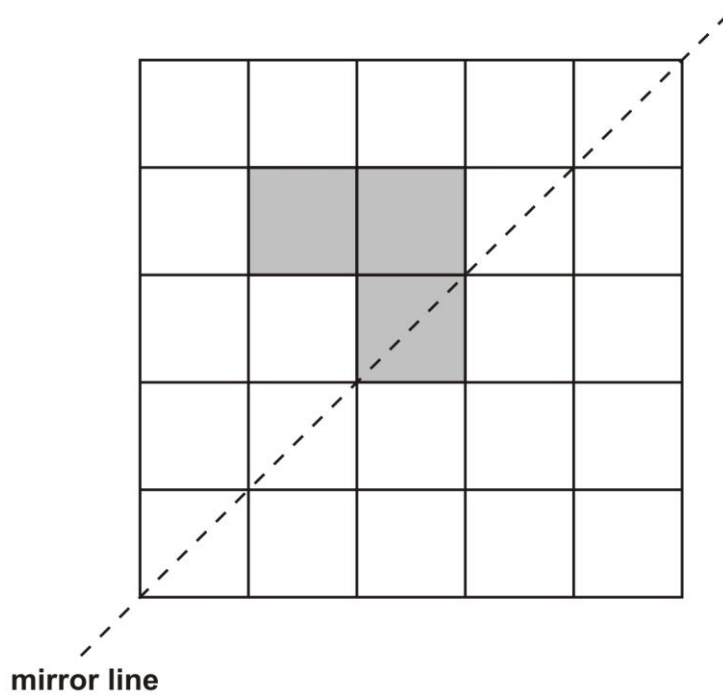


1 mark

Q5.

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

You may use a mirror or tracing paper.



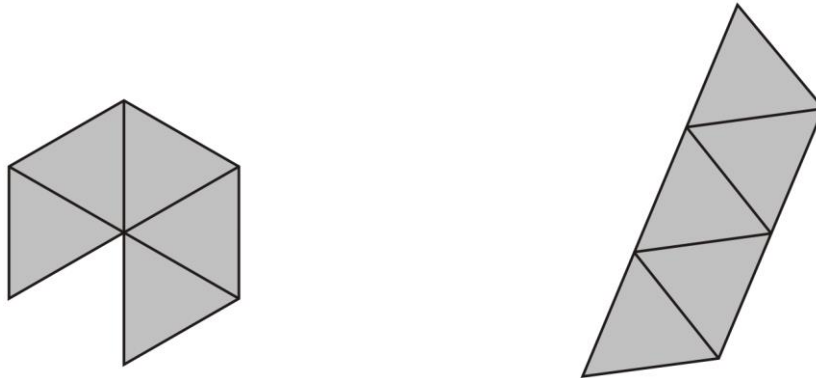
1 mark

Q6.

These two shapes are made from equilateral triangles.

Draw one line of symmetry on each shape.

Use a ruler.



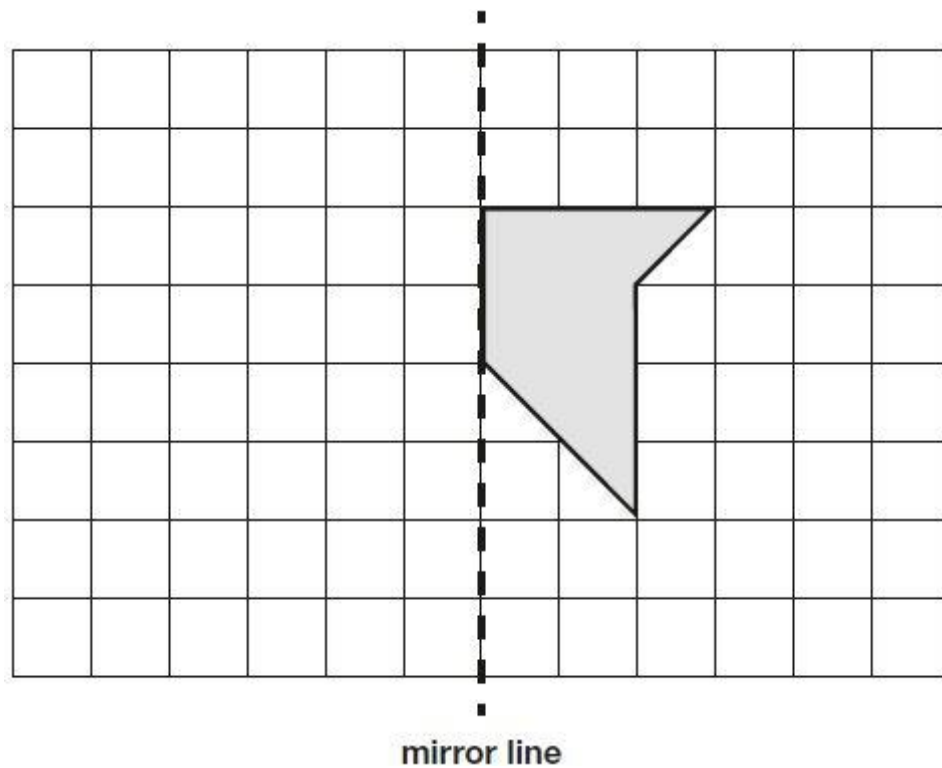
1 mark

Q7.

Here is a shape on a grid.

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

Use a ruler.

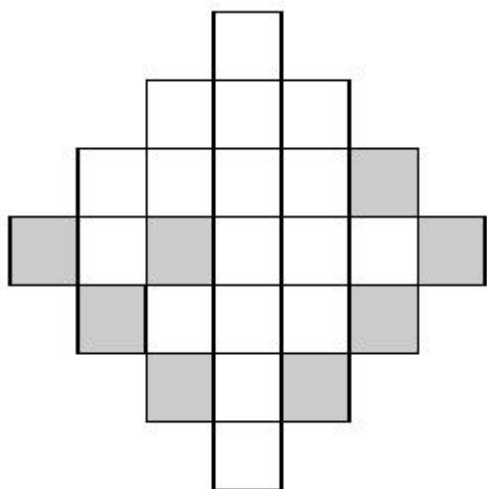


1 mark

Q8.

Here is a grid with eight squares shaded in.

Shade in two more squares to make a symmetrical pattern.



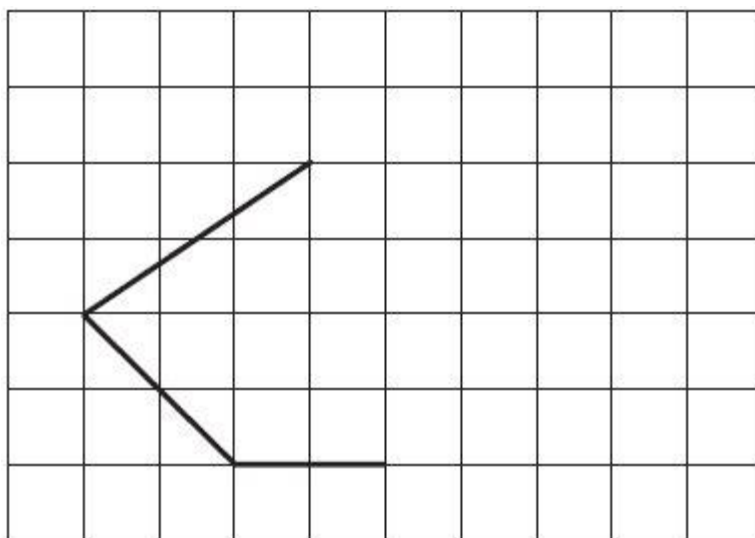
1 mark

Q9.

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

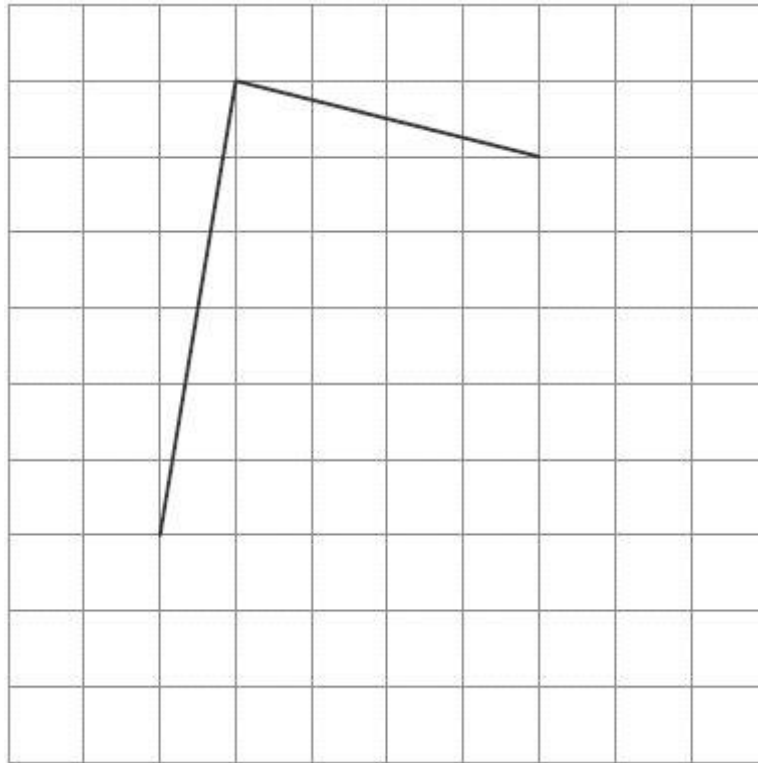
Q10.

Here is a square grid.

Two sides of a kite are drawn on the grid.

Complete the kite by drawing the two missing sides.

Use a ruler.



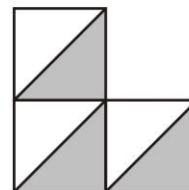
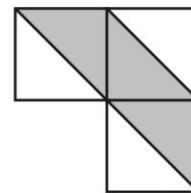
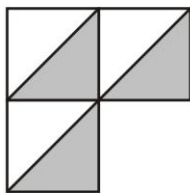
1 mark

Q11.

Here are five patterns.

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

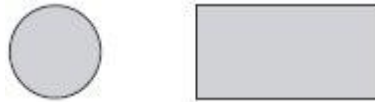
Put a cross (X) if it does not.



2 marks

Q12.

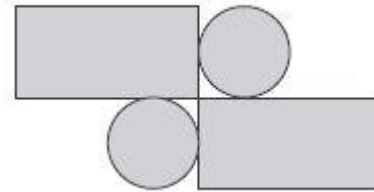
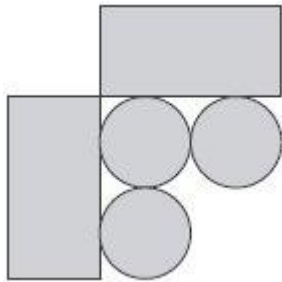
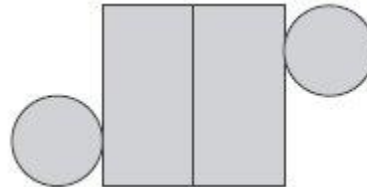
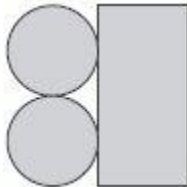
Amy has some circular tiles and some rectangular tiles.



She makes these patterns with them.

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

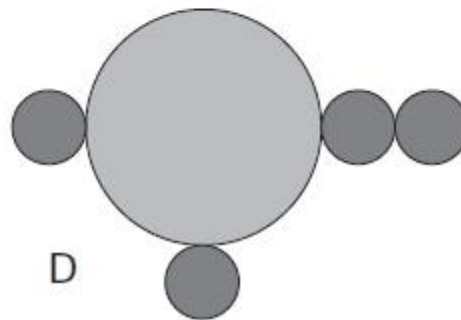
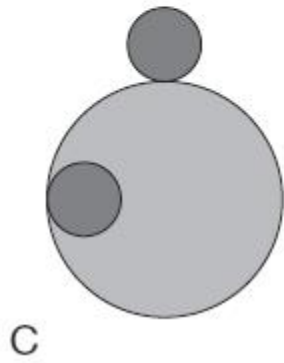
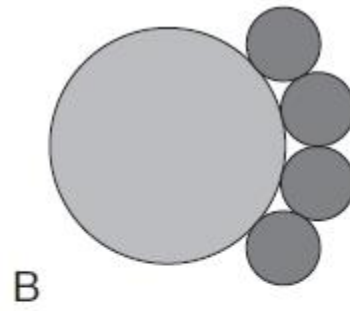
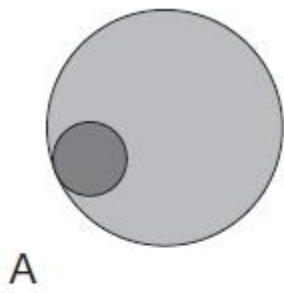
Put a cross (X) if it does not.



2 marks

Q13.

Here are four designs made from two sizes of circles.

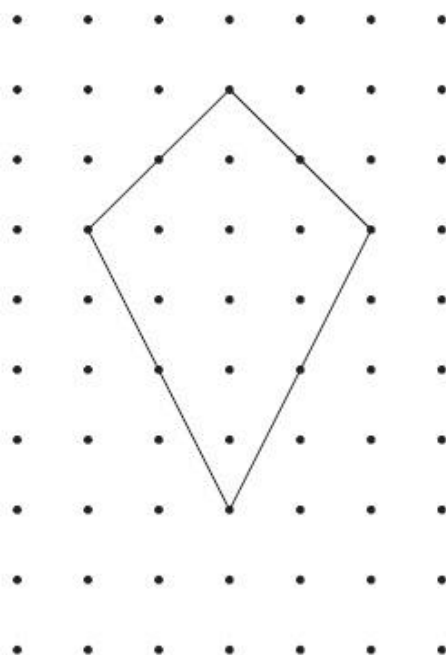


Write the letters of **all** the designs that have line symmetry.

_____ 2 marks

Q14.

Here is a shape on a grid.



For each statement, put a tick (✓) if it is true.
Put a cross (X) if it is not true.

The shape is a quadrilateral.



The shape has 2 lines of symmetry.



The shape is a parallelogram.



The shape has one right angle.



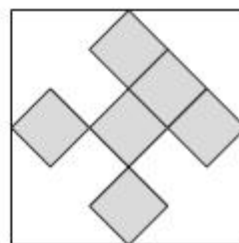
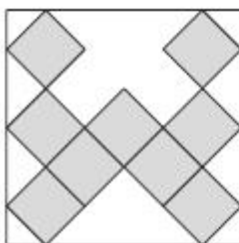
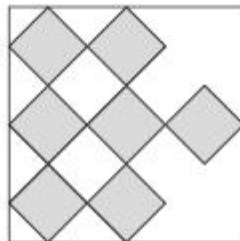
2 marks

Q15.

These three square tiles have symmetrical patterns on them.

Draw the line of symmetry on each tile.

Use a ruler.

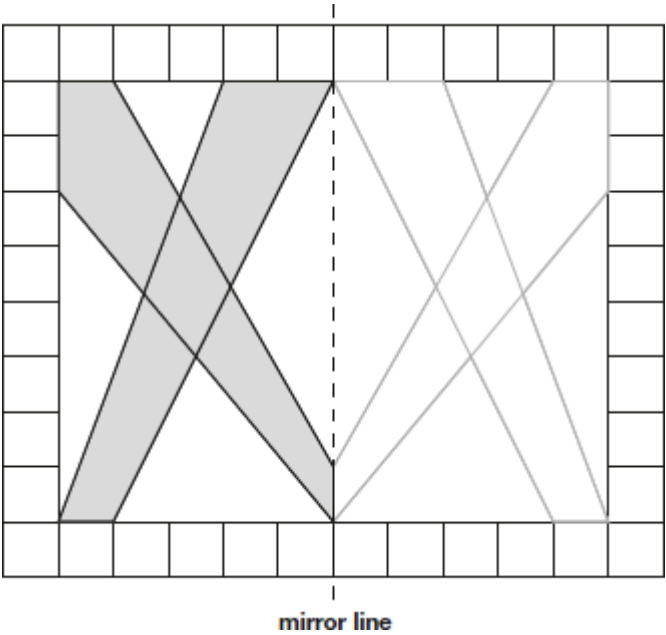


2 marks

Mark schemes

Q1.

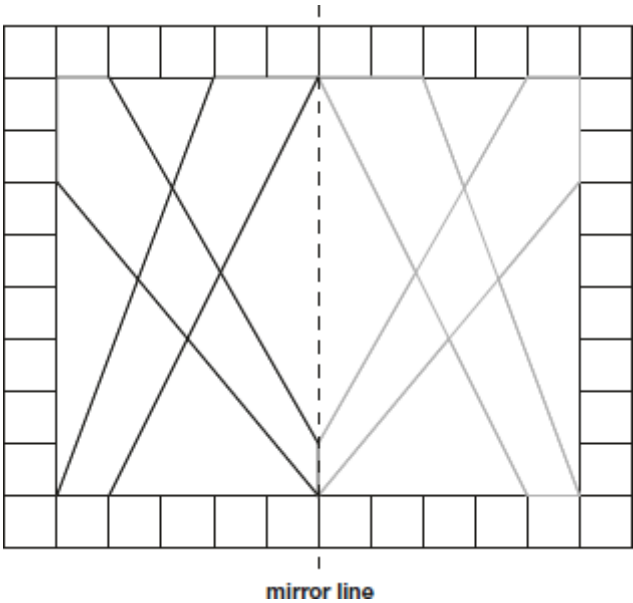
Diagram completed correctly as shown:



Accept inaccurate drawing, provided the intention is clear.

Diagram need not be shaded.

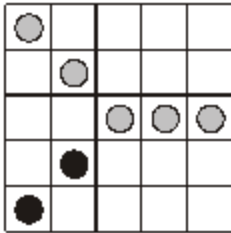
Diagram need not include edges drawn along the gridlines, e.g.



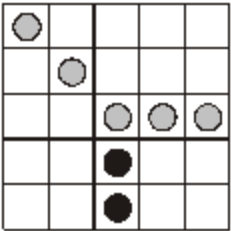
[1]

Q2.

Diagram completed correctly as shown:



OR

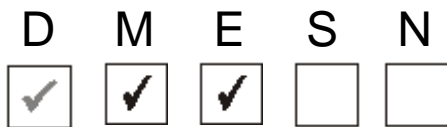


Accept alternative unambiguous indications, eg squares shaded, ticked or crossed.

[1]

Q3.

Two letters ticked as shown:



Both letters must be correct for the award of the mark.

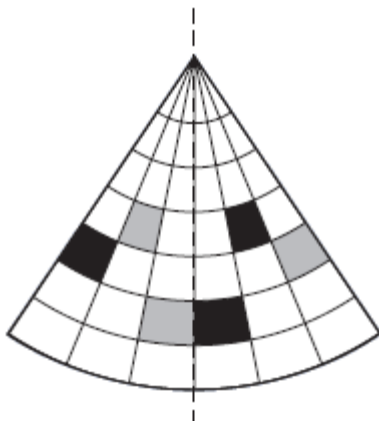
Do not award the mark if either S or N are ticked.

Accept any other clear way of indicating the correct letters, such as 'Yes' or circling.

[1]

Q4.

Diagram completed as shown:



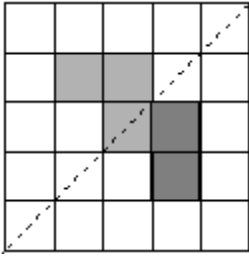
Accept inaccurate shading, provided the intention is clear.

Accept alternative unambiguous indications.

[1]

Q5.

Squares shaded as shown:



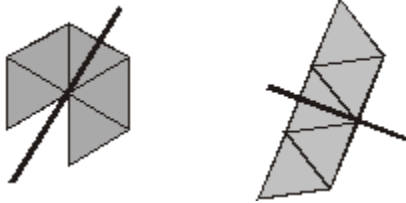
Accept alternative unambiguous indications, eg squares crossed.

Accept slight inaccuracies in the shading, provided the intention is clear.

[1]

Q6.

One line of symmetry correctly positioned on each diagram as shown:



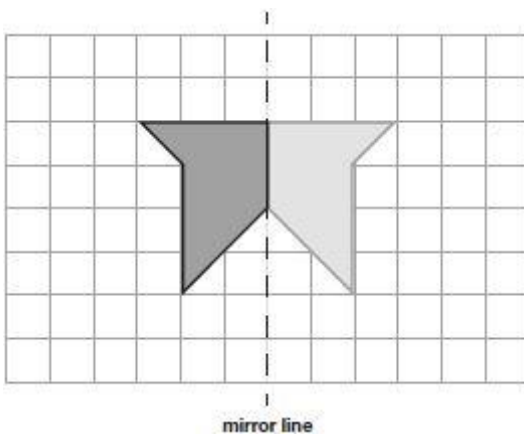
Accept slight inaccuracies in drawing provided the intention is clear.

The length of the line is unimportant provided the intention is clear.

[1]

Q7.

Diagram completed, as shown:



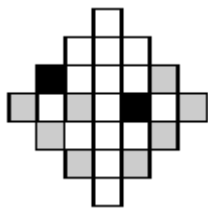
Accept slight inaccuracies in drawing (see guidance).

*Shape need not be shaded for the award of **ONE** mark.*

[1]

Q8.

Diagram marked as shown:



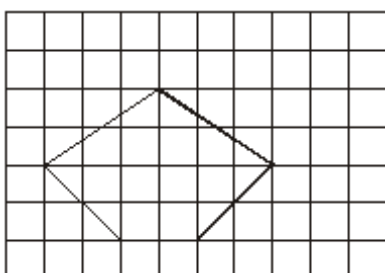
Both squares must be correctly marked.

Accept alternative indications, eg squares ticked, crossed or circled.

[1]

Q9.

Two more lines drawn as shown:



Accept slight inaccuracies in drawing.

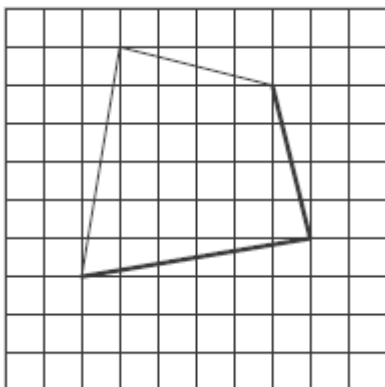
Do not accept lines drawn outside of the grid.

Ignore line of symmetry if drawn.

[1]

Q10.

Diagram completed correctly as shown:

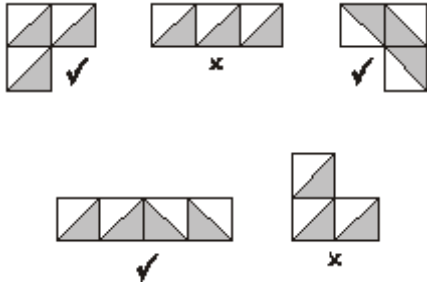


Accept slight inaccuracies in drawing.

[1]

Q11.

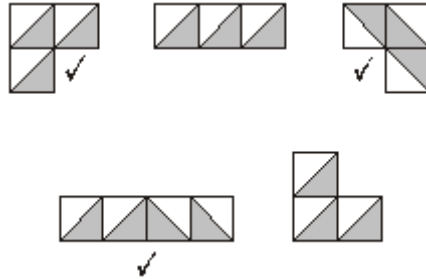
Award **TWO** marks for diagrams ticked or crossed as shown:



If the answer is incorrect, award **ONE** mark for any four diagrams ticked or crossed correctly.

Accept: alternative unambiguous indications such as **Y** or **N**.

For **TWO** marks accept:

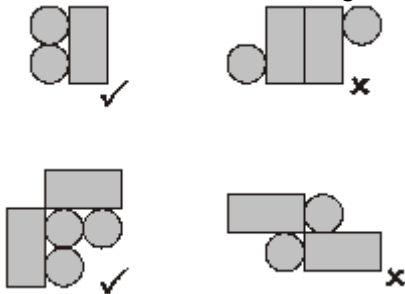


Up to 2

[2]

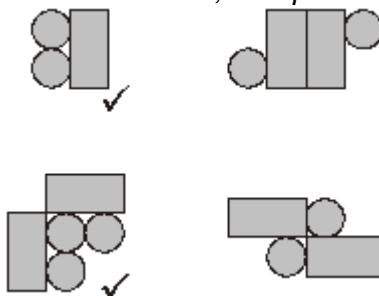
Q12.

Award **TWO** marks for diagrams ticked or crossed as shown:



Accept alternative unambiguous indications, eg **Y** or **N**.

For **TWO** marks, accept:



For **TWO** marks accept lines of symmetry drawn on the correct two shapes and the other two shapes left blank.

If the answer is incorrect, award **ONE** mark for three diagrams ticked or crossed correctly.

Up to 2

[2]

Q13.

Award **TWO** marks for the correct answer of A **AND** B

If the answer is incorrect, award **ONE** mark for:

- A only

OR

- B only

OR

- A **AND** B **AND** not more than one incorrect letter.
Accept alternative unambiguous indication.

Up to 2

[2]

Q14.

Award **TWO** marks for all four boxes ticked or crossed correctly as shown:



If the answer is incorrect, award **ONE** mark for three boxes ticked or crossed correctly.

Accept alternative unambiguous indications eg Y or N.

*For **TWO** marks accept:*

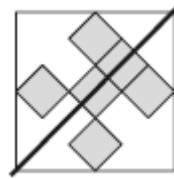
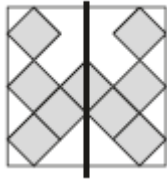
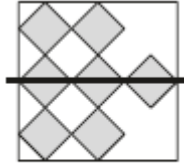


Up to 2m

[2]

Q15.

Award **TWO** marks for three lines of symmetry drawn correctly as shown:



If the answer is incorrect, award **ONE** mark for two lines of symmetry correctly drawn.

Accept inaccurate drawing provided the intention is clear.

Up to 2

[2]