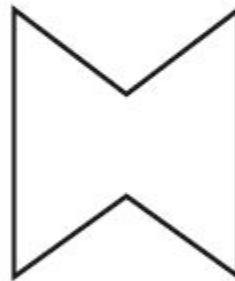
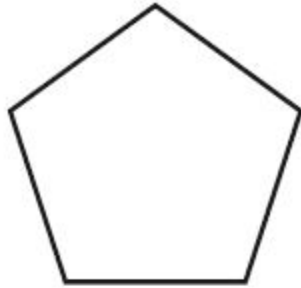


1

Circle the **pentagon** with exactly **four acute angles**.

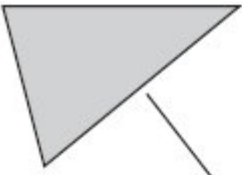


1 mark

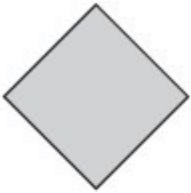
2

Match each shape to its name.

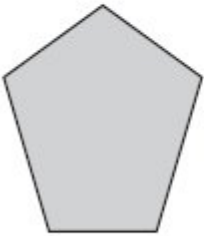
One is done for you.



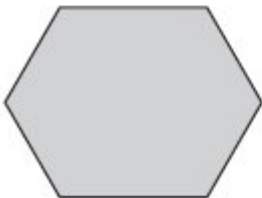
hexagon



square



triangle

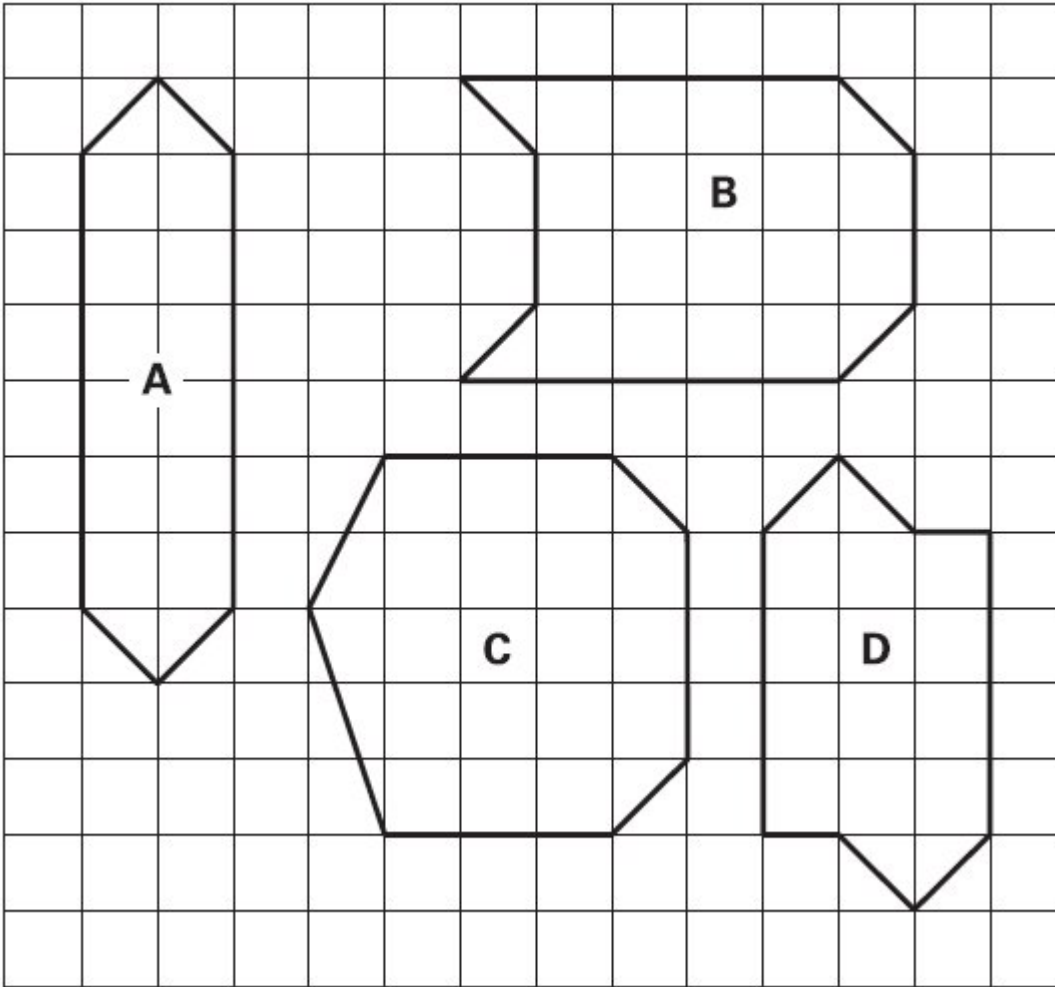


pentagon

1 mark

3

Here are four shapes on a square grid.



Complete the table.

	property of shape	
	is an octagon	has at least 1 right angle
shape A	X	✓
shape B	✓	X
shape C		
shape D		✓

1 mark

4

Look at the letters below.

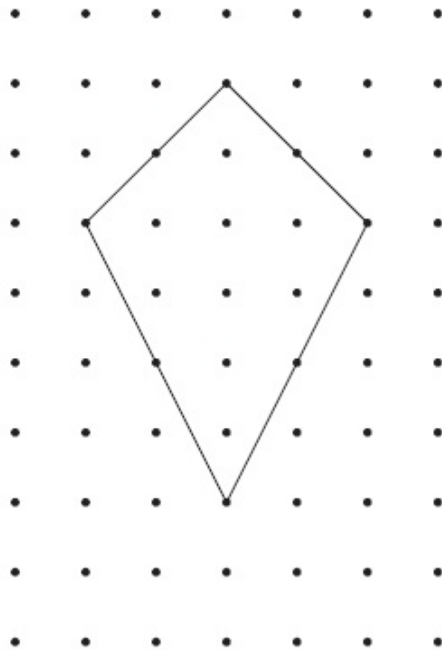
Circle the letter below that has both parallel **and** perpendicular lines.

A C E L Z

1 mark

5

Here is a shape on a grid.



For each statement, put a tick (✓) if it is true.

Put a cross (✗) if it is not true.

The shape is a quadrilateral.

☐

The shape has 2 lines of symmetry.

☐

The shape is a parallelogram.

☐

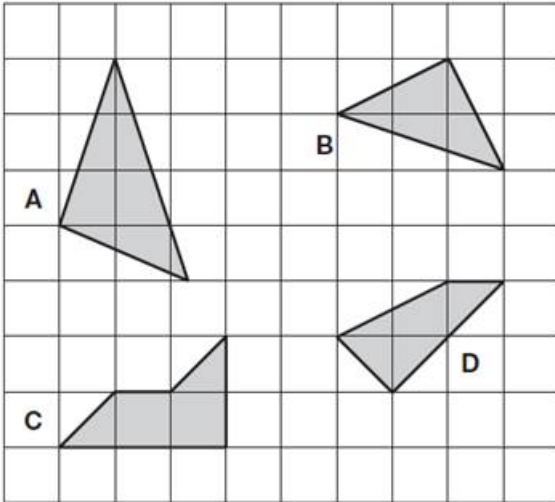
The shape has one right angle.

☐

2 marks

6

Here are four shapes on a square grid.

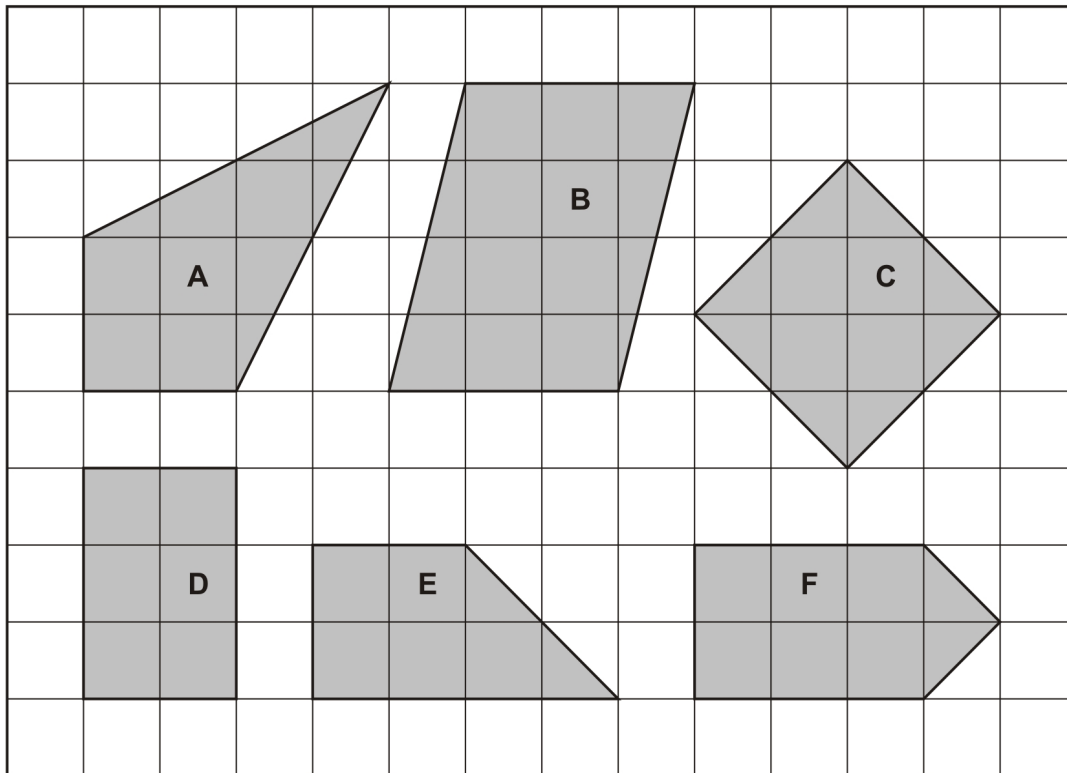


Write the letters of **all** the shapes that have **exactly two** sides which are equal in length.

2 marks

7

Look at these shapes.



Complete the sentences below.

One has been done for you.

_____ **A** _____ is a kite

_____ is not a quadrilateral

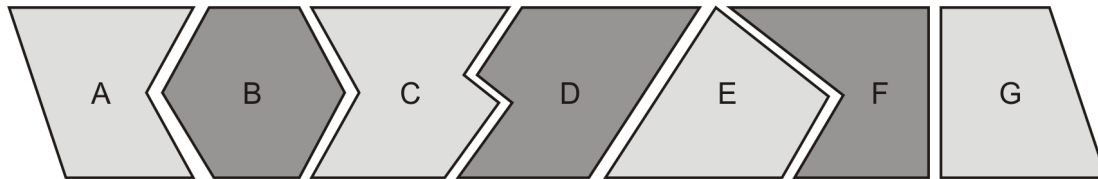
_____ has only 2 right angles

_____ has 2 acute angles

2 marks

8

Here are seven shapes.



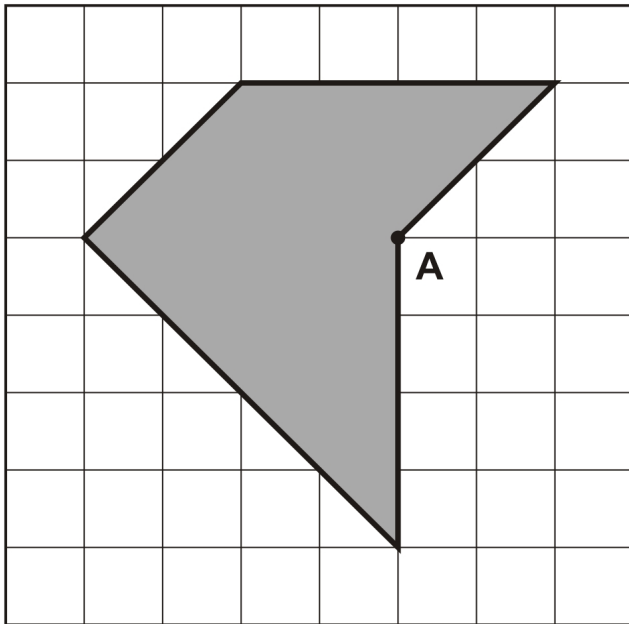
Write the letters of the two shapes which are **pentagons**.

and

1 mark

9

Draw **two straight lines** from point **A** to divide the shaded shape into a square and two triangles.

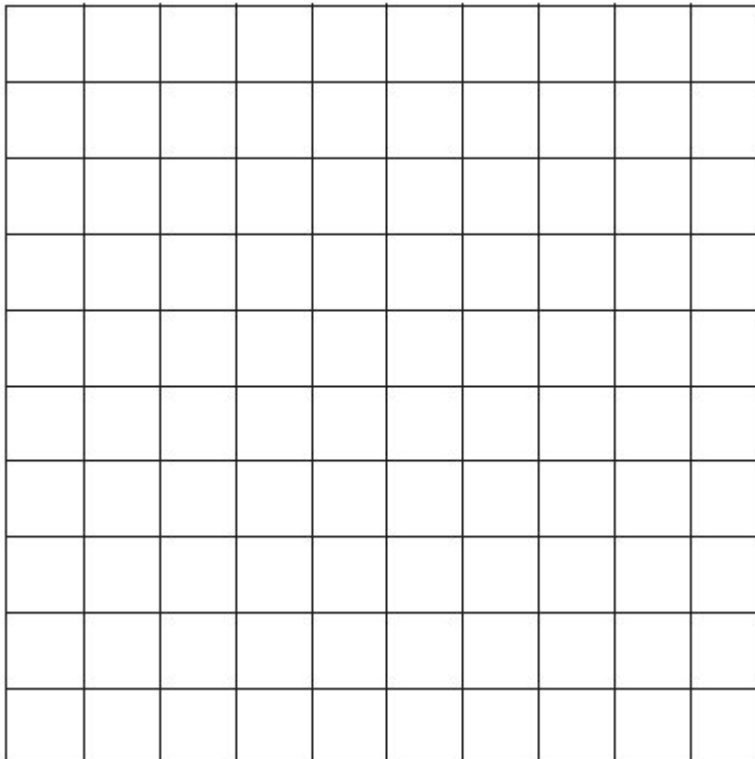


1 mark

10

Here is a centimetre grid.

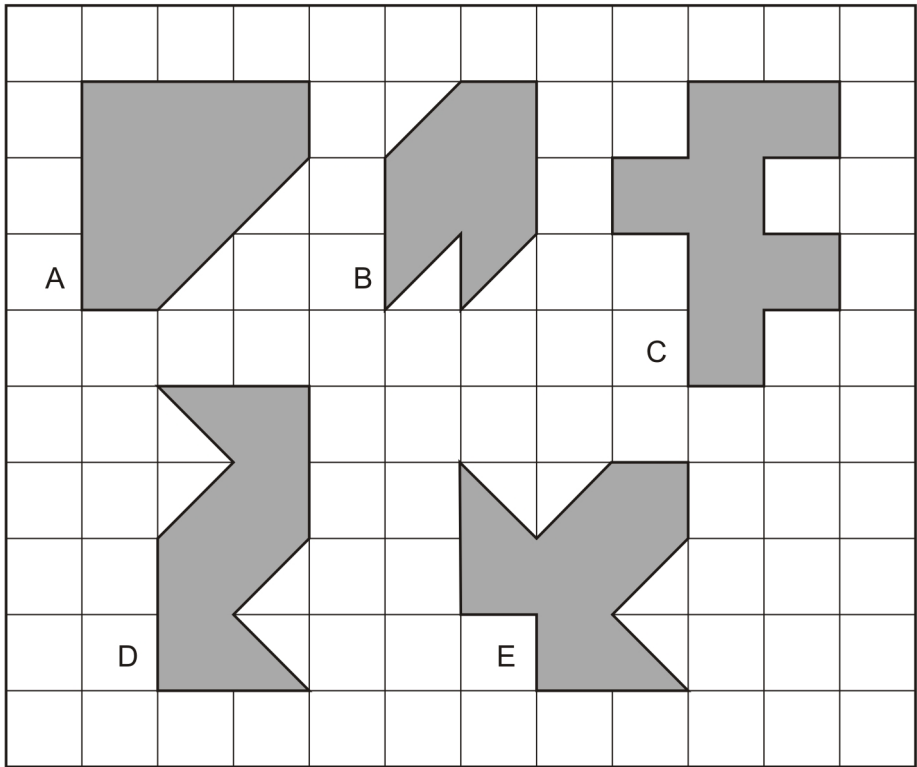
Draw a **rectangle** whose **longer sides** are **6 cm**



1 mark

11

Here are five shapes on a square grid.



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

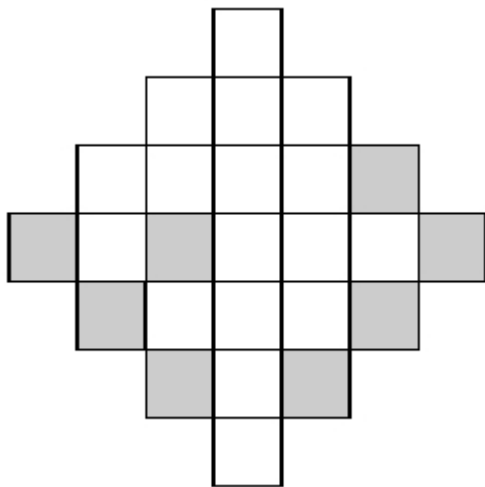
and

2 marks

12

Here is a grid with eight squares shaded in.

Shade in two more squares to make a symmetrical pattern.



1 mark

13

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

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

D	M	E	S	N
☒	☐	☐	☐	☐

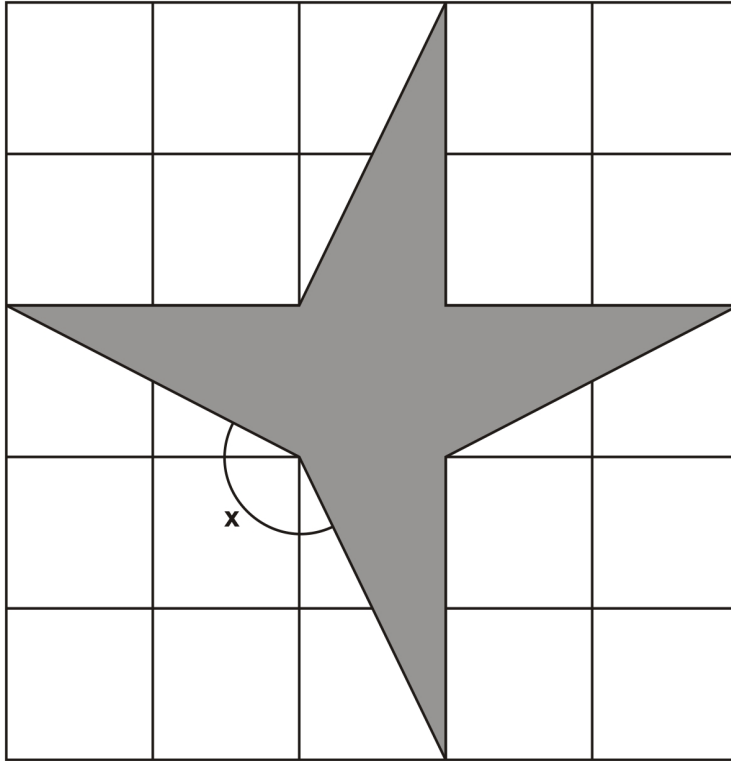
1 mark

14

Here is a shaded shape on a grid made of squares.

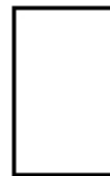
Draw the line of symmetry of the shaded shape.

You may use a mirror or tracing paper.



1 mark

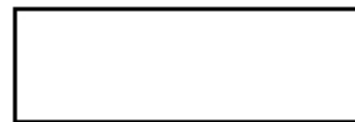
What **fraction** of the area of the grid is shaded?



1 mark

Measure **angle x** in degrees.

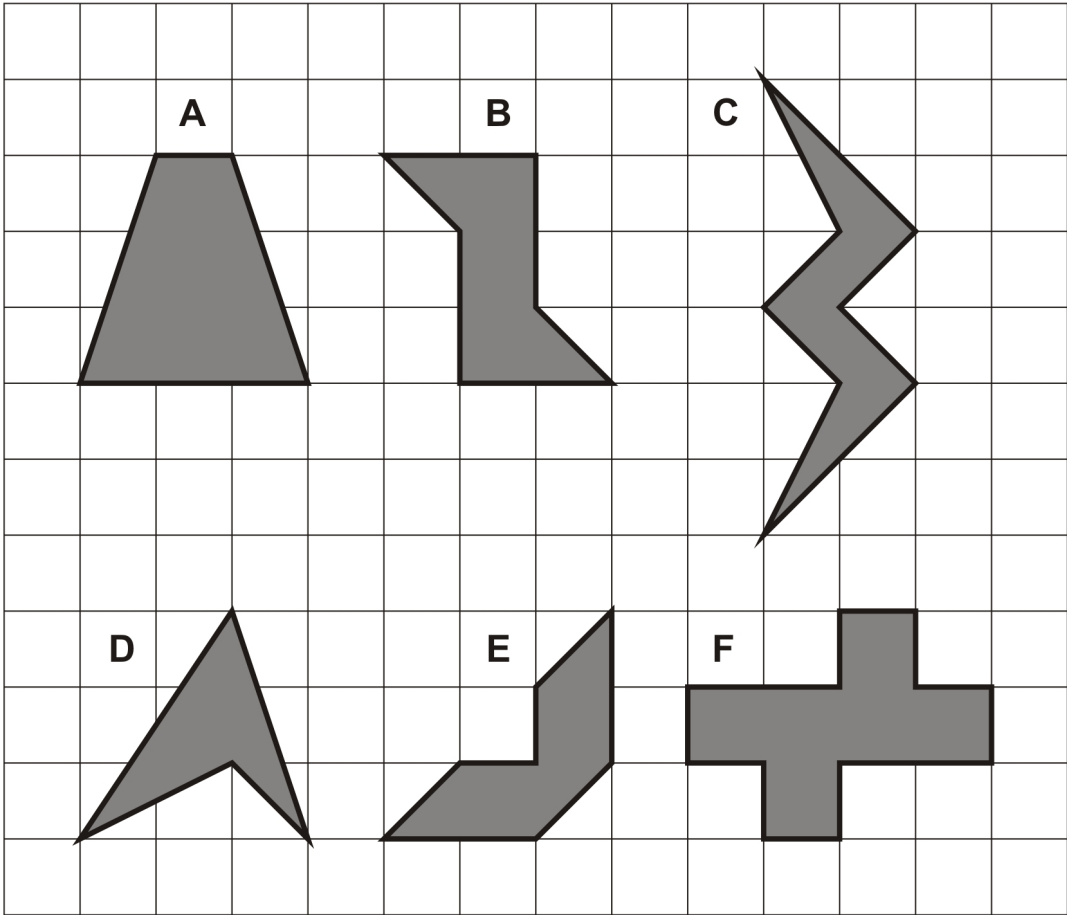
Use an angle measurer (protractor).



1 mark

15

Here are some shaded shapes on a grid.



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

You may use a mirror or tracing paper.

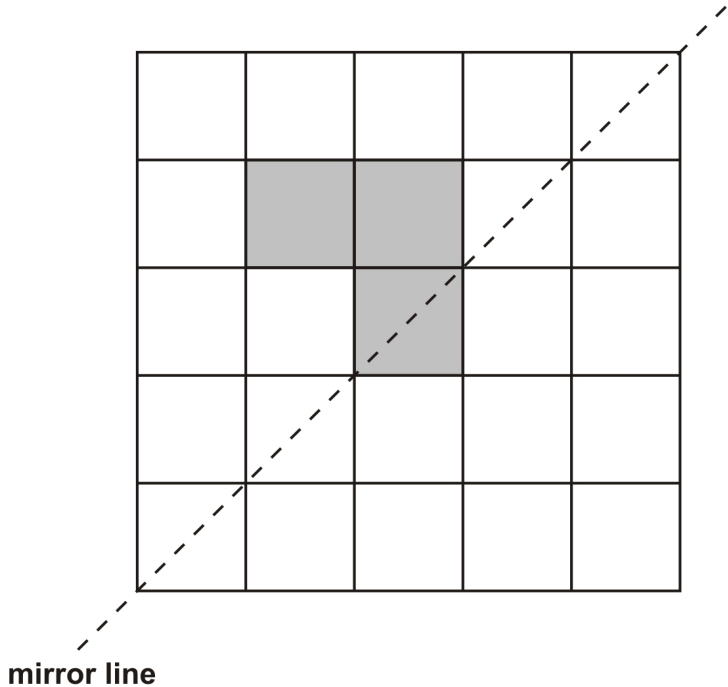
--	--	--

2 mark

16

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

You may use a mirror or tracing paper.

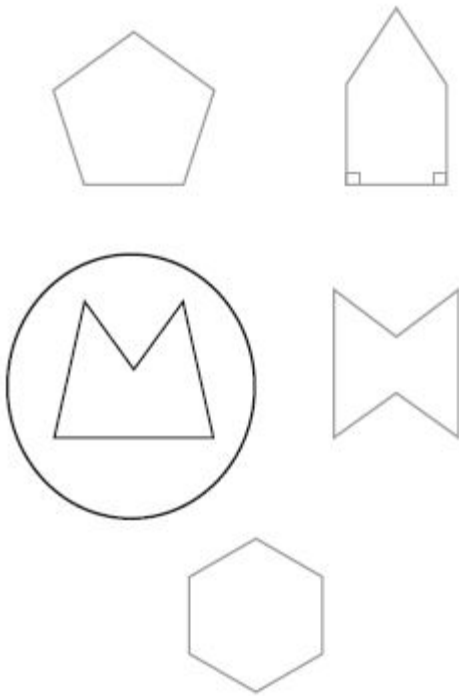


1 mark

Mark schemes

1

The correct shape circled as shown:

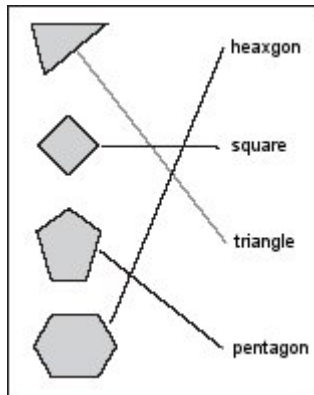


Accept alternative unambiguous positive indications, e.g. shape ticked.

[1]

2

Matches all three shapes as shown:



All three lines must be drawn correctly for the award of the mark.
Lines need not touch the shapes or names exactly, provided the intention is clear.

[1]

3

Table completed as shown:

	property of shape	
	is an octagon	has at least 1 right angle
shape A	✗	✓
shape B	✓	✗
shape C	✗	✗
shape D	✓	✓

*All three answers must be correct for the award of the mark.**Accept any other clear way of indicating the properties, such as 'Y' and 'N'.***[1]****4**

The correct letter circled as shown:

A C **E** L Z*Accept alternative unambiguous positive indications, e.g. letter ticked.***[1]****5**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]

6

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

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

- B only

OR

- C only

Letters may be given in either order.

Up to 2m

[2]

7

Award **TWO** marks for all three letters in the correct order as shown:

F

E

B

If the answer is incorrect, award **ONE** mark for two of the three letters correct.

Up to 2

[2]

8

A **AND** F

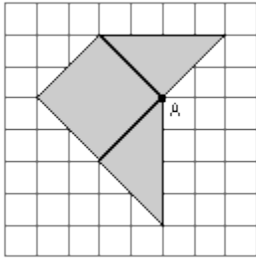
Answers may be given in either order.

Accept alternative indications, eg shapes ticked or circled, provided the intention is clear.

[1]

9

Diagram completed correctly as shown:



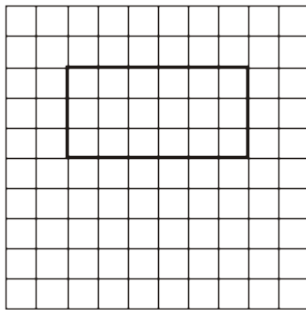
Accept slight inaccuracies in drawing provided the intention is clear.

U1

[1]

10

Any rectangle drawn on the grid whose longer sides are 6 cm, eg



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

Do not accept a 6 cm square.

[1]

11

Award **TWO** marks for the correct answers of A **AND** E.

Answers may be given in either order.

Accept unambiguous indications on the diagram.

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

- only one answer correct

OR

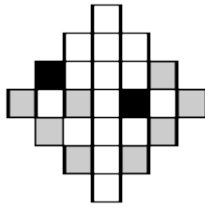
- two answers correct and one incorrect.

Up to 2

[2]

12

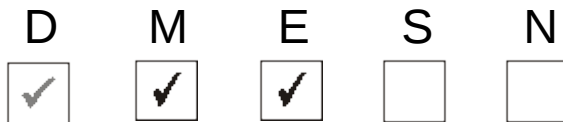
Diagram marked as shown:

**Both squares must be correctly marked.**Accept alternative indications, eg
squares ticked, crossed or circled.

[1]

13

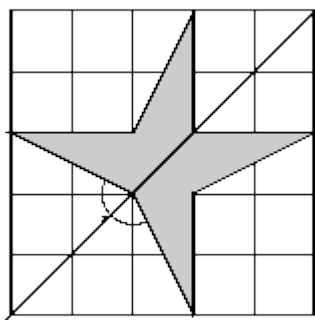
Two letters ticked as shown:

**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]

14

(a) Line of symmetry drawn as shown.

The length of the line is unimportant, provided the intention is
clear.Accept slight inaccuracies in drawing provided the intention is
clear.

1

(b) $\frac{1}{5}$ **OR** 0.2 **OR** 20%Accept equivalent fractions, eg $\frac{5}{25}$

1

(c) Answer in the range of 140 to 146 inclusive.

1

[3]

15

Award **TWO** marks for the correct answer of A, C, E.

Accept letters in any order.

Accept for **ONE** mark either three correct letters and one additional letter **OR** two correct letters and up to one incorrect letter.

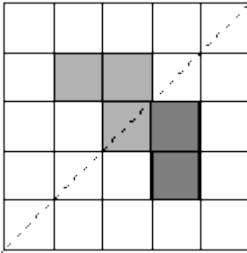
Accept alternative, unambiguous indications, eg ticks or mirror lines drawn on the correct shapes.

Up to 2

[2]

16

Squares shaded as shown:



Accept alternative unambiguous indications, eg squares crossed.

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

[1]