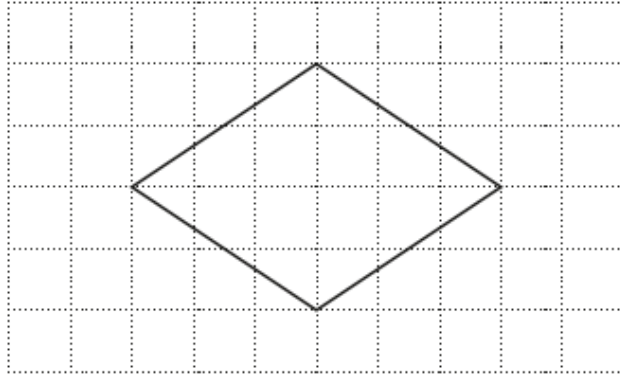


**SYMMETRY**

**OCR Thursday 7 June 2018 – Morning (Non Calculator) Foundation Tier**

1.

5 A shape is drawn on a one-centimetre grid.



(a) Ring the mathematical name of the shape.

Pentagon

Square

Octagon

Rhombus

[1]

(b) How many lines of symmetry does the shape have?

(b) ..... [1]

(c) Work out the area of the shape.

(c) ..... cm<sup>2</sup> [2]

OCR Tuesday 12 June 2018– Morning (Calculator) Foundation Tier

2.

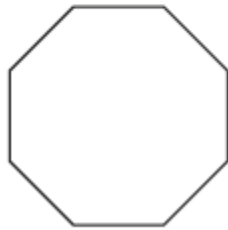
- 1 (a) Write down the mathematical name of this triangle.  
Choose from the list in the box.



isosceles equilateral right-angled scalene

(a) .....triangle [1]

- (b) Write down the order of rotation symmetry of this regular octagon.

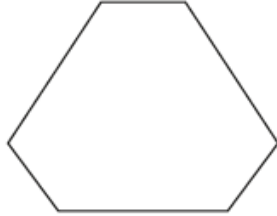


(b) ..... [1]

**OCR Monday 6 November 2017– Morning (Calculator) Foundation Tier**

3.

2 (a) Write down the number of lines of symmetry of this hexagon.



(a) ..... [1]

(b) Write down the order of rotation symmetry of this shape.



(b) ..... [1]

(c) A triangle has just one line of symmetry.

Write down the mathematical name of this type of triangle.

(c) ..... [1]

(d) Sara says

All parallelograms have 2 lines of symmetry and rotation symmetry of order 2.

Explain why Sara is not correct.

.....  
..... [1]

**AQA Thursday 11 June 2019 – Morning (Calculator) Foundation Tier**

4.

**16** Which shape **must** have rotational symmetry?

Circle your answer.

**[1 mark]**

isosceles triangle

trapezium

kite

parallelogram

**AQA Monday 12 November 2018 – Morning (Calculator) Foundation Tier**

5.

**3** Which of these **cannot** be the number of lines of symmetry of a triangle?

Circle your answer.

**[1 mark]**

0

1

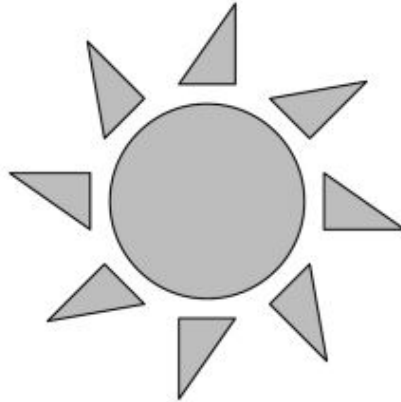
2

3

AQA Thursday 7 June 2018 – Morning (Calculator) Foundation Tier

6.

- 4 Circle the order of rotational symmetry of this drawing.



[1 mark]

0

2

4

8

AQA Tuesday 12 June 2018 – Morning (Calculator) Foundation Tier

7.

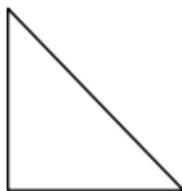
- 3 Which of these shapes has **no** lines of symmetry?  
Circle the correct letter.

[1 mark]

A



B



C



D



AQA Thursday 2 November 2017 – Morning (Non-Calculator) Foundation Tier

8.

3 Which of these shapes has two lines of symmetry?

Circle your answer.

[1 mark]

Semicircle

Rhombus

Trapezium

Isosceles triangle

AQA Sample Paper 3– Morning (Calculator) Foundation Tier

9.

2 Which shape has **two** lines of symmetry **and** its diagonals intersecting at  $90^\circ$ ?

Circle the correct letter.

[1 mark]

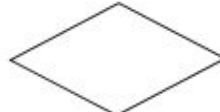
**A**



**B**



**C**



**D**

