FUNCTIONAL SKILLS MATHEMATICS

AQA | Edexcel | City & Guilds | Open Awards | NCFE | Highfield

Entry Level 3

Symmetry and 2D Shapes

Materials

- You **cannot** use a calculator for **questions** with this symbol.
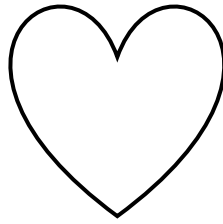
Instructions

- Answer **all** questions.
- Answer questions on separate paper.

Information and Advice

- The marks for each question are shown in brackets – use this as a guide on how long to spend on each question.
- Read each question carefully before you answer it.
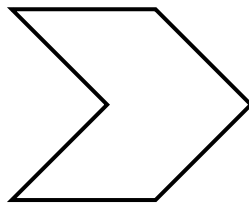- Check you answers.

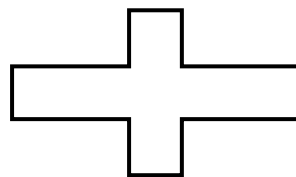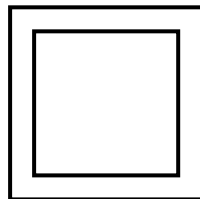**Q1**   Draw the lines of symmetry on these shapes:

1(a)

[1 mark]

1(b)
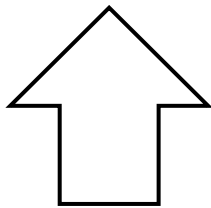
[1 mark]

1(c)

[1 mark]

1(d)

[1 mark]

Q2   Find the number of lines of symmetry for these shapes:

2(a)

[1 mark]

2(b)

[1 mark]

2(c)

[1 mark]

2(d)

[1 mark]

4

Turn over ▶

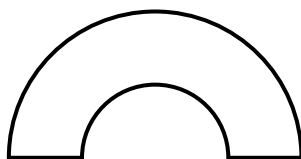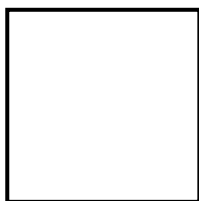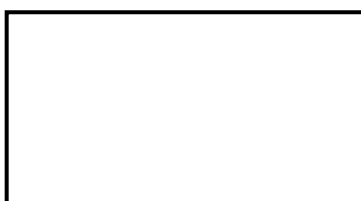**Q3**   Find the number of lines of symmetry for these shapes:
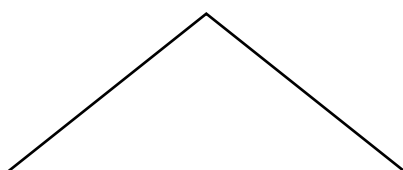
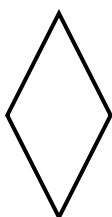**3(a)**

[1 mark]

3(b)

[1 mark]

3(c)

[1 mark]
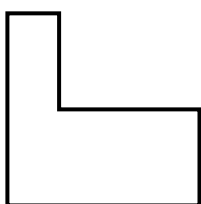
Q4   Which of these shapes have 2 lines of symmetry?

A   B   C   D

[2 marks]

Q5   Here is a 2D shape:

5(a)   What is the name of this 2D shape?

[1 mark]

5(b)   How many straight sides does this 2D shape have?

[1 mark]

5(c)   How many corners does this shape have?

[1 mark]

Q6   Below is a 2D shape:

6(a)   What is the name of this 2D shape?

[1 mark]

6(b)   How many straight sides does this 2D shape have?

[1 mark]

6(c)   How many corners does this shape have?
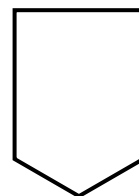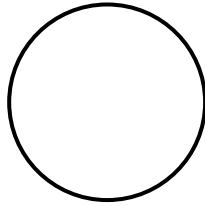
[1 mark]

Turn over ►

Q7   Here is a 2D shape:

7(a)   What is the name of this 2D shape?
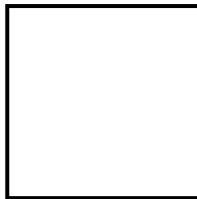
[1 mark]

7(b)   How many straight sides does this 2D shape have?

[1 mark]

7(c)   How many corners does this shape have?

[1 mark]

Q8   Below is a 2D shape:
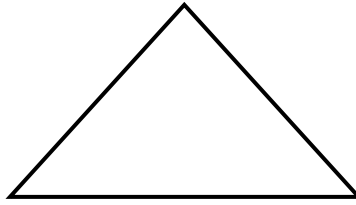

8(a)   What is the name of this 2D shape?

[1 mark]

8(b)   How many straight sides does this 2D shape have?

[1 mark]

8(c)   How many corners does this shape have?

[1 mark]

Q9   Each of these question parts describes a feature of a 2D shape. Choose the correct 2D shape.

9(a)   The angle at each corner is a right angle. Is this a triangle or a square?

[1 mark]

9(b)   Sides opposite to each other are the same length. Is this a rectangle or a circle?
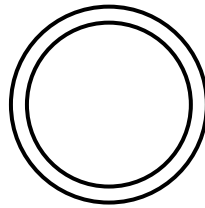
[1 mark]

9(c)   All of its sides are different lengths. Is this a triangle or a square?

[1 mark]

9(d)   The angle at each corner is different. Is this a triangle or a rectangle?

[1 mark]

9(e)   It has one side that goes all the way round. Is this a circle or a square?
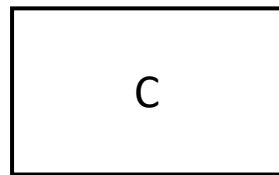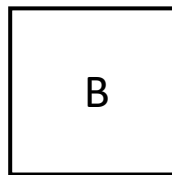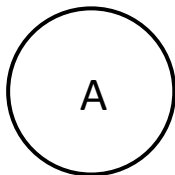
[1 mark]

9(f)   All of its sides are the same length. Is this a square or a rectangle?

[1 mark]

10   Kara has bought a new plate. What shape is it?

[1 mark]

11   Billie-Jean plays football on a rectangular pitch. Which pitch does he play on?

A   B   C

[1 mark]

8