

Fundamental Knowledge Test

Shape and space v1.0

You may not use a calculator.

Answer the questions in the spaces provided.

1 Complete the following:

A right-angle measures _____ degrees

An acute angle measures between _____ degrees

An obtuse angle measures between _____ degrees

A reflex angle is _____

Angles in a triangle add up to _____ degrees

Angles on a straight line add up to _____ degrees

Angles around a point add up to _____ degrees

[7 marks]

2 Complete the following:

| Shape | Number of sides |
|---------------|-----------------|
| Triangle | |
| | 6 |
| Square | |
| | 5 |
| Quadrilateral | |
| | 8 |

[6 marks]

3

Describe an equilateral triangle.

You should refer to the sides and angles in your answer.

[2 marks]

4

Draw a square with sides measuring 3 cm.

[2 marks]

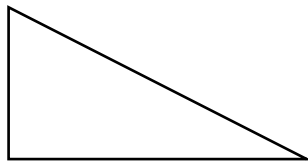
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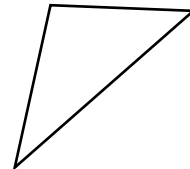
Here are three triangles.

From this list write the name of the type of triangle under each shape.

| | |
|--------------|--------------|
| equilateral, | scalene, |
| isosceles, | right-angled |







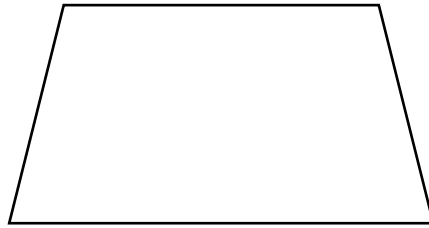
[3 marks]

- 6 How many sides does a rhombus have?

[1 mark]

Answer _____

- 7 Is this shape a trapezium or kite or pentagon?



[1 mark]

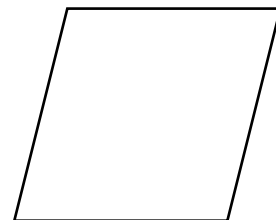
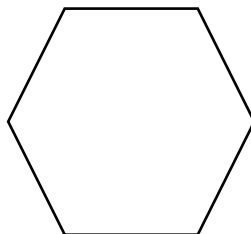
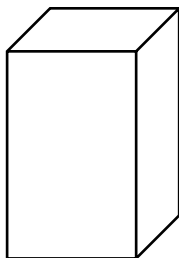
Answer _____

- 8 I am thinking of a triangle. It has no equal sides or angles.
Is the triangle I'm thinking of an isosceles or scalene triangle?

[1 mark]

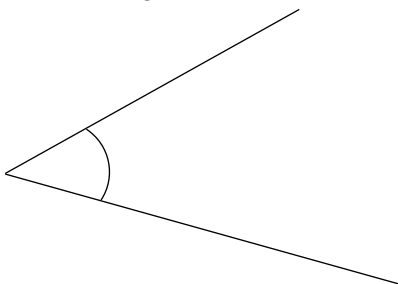
Answer _____

- 9 Write the name of each of these shapes:



[3 marks]

- 10** Measure the size of this angle:



[1 mark]

Answer _____ degrees

- 11** Draw an angle of 120°

[2 marks]

- 12** Sketch a kite.

[1 mark]

13 How many edges does a cube have?

[1 mark]

Answer _____

14 What is the difference between a cube and a cuboid?

[2 marks]
