

# Geometry and measures

## 2D shapes

① State whether each of these statements is true or false. (★)

a The diagonals of a rhombus cut each other at right-angles. (1 mark)

.....

b The diagonals of a parallelogram are always the same length. (1 mark)

.....

c A kite has one line of symmetry. (1 mark)

.....

d A cuboid has 8 vertices and 6 faces. (1 mark)

.....

② Identify these shapes (★★)

a four equal sides, two pairs of equal angles (1 mark)

.....

b two pairs of equal sides, different length diagonals (1 mark)

.....

e A trapezium has one pair of parallel sides. (1 mark)

.....

f A pentagon has 5 sides of equal length. (1 mark)

.....

**[Total: 6 marks]**

c three sides, order of rotational symmetry 3 (1 mark)

.....

d four sides, one line of symmetry, 1 pair of equal angles (1 mark)

.....

**[Total: 4 marks]**



### NAILIT!

2D shapes can be accurately drawn on a flat sheet of paper.



### NAILIT!

You need to remember the names of the regular polygons and also the different types of triangle and quadrilateral, together with their numbers of lines of symmetry and orders of rotational symmetry.



### NAILIT!

It is a good idea to do a quick sketch of the shape before deciding on your answer.