

Symmetry

Syllabus tracker [Open it online](#)

Name: _____

Date: _____

Tick one circle for each statement — on screen (click) or with a pen. Then try the quick checks: write your answer in the box, check it against the answers at the end, and tick “right” when you got it. ★ = IGCSE Extended tier only.

Line symmetry

Lines of symmetry of polygons and quadrilaterals.

	Don't know	Shaky	Got it
I can find the lines of symmetry of a regular polygon.	☐	☐	☐
I can find the lines of symmetry of special quadrilaterals.	☐	☐	☐

Rotational symmetry

Order of rotational symmetry; symmetry properties of shapes and solids.

	Don't know	Shaky	Got it
I can find the order of rotational symmetry.	☐	☐	☐
I can use the symmetry properties of triangles and quadrilaterals.	☐	☐	☐
I can recognise planes of symmetry in solids. ★	☐	☐	☐

Quick checks

One quick question per statement. Answer in the box, then check the answers at the end.

1. How many lines of symmetry does a regular hexagon have?

Answer: _____ ☐ I got it right

2. How many lines of symmetry does a rhombus (that is not a square) have?

Answer: _____ ☐ I got it right

3. What is the order of rotational symmetry of a parallelogram?

Answer: _____ ☐ I got it right

4. Which shape has exactly one line of symmetry and rotational symmetry of order 1?

A Kite **B** Rectangle **C** Rhombus **D** Parallelogram

Answer: _____ ☐ I got it right

5. How many planes of symmetry does a cuboid with three different edge lengths have?

Answer: _____ ☐ I got it right

Answers

Try every question first, then check.

1. 6

2. 2

3. 2

4. A: Kite

5. 3