TEACHER RESOURCE BOOK · MATHS · 5TH CLASS

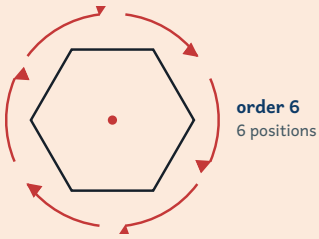
Lesson 83 SHAPE & SPACE

Symmetry — lines and rotational

WHAT THIS LESSON TEACHES

A shape has **rotational symmetry** if you can rotate it less than a full turn and it lands on itself. The **order** of rotation counts how many times that happens in one full turn — including the starting position.

→ A **square** has order **4** — it lands on itself every 90°.
→ An **equilateral triangle** has order **3** — every 120°.
→ A **regular hexagon** has order **6** — every 60°.



ANSWER KEY

a) **4** times.

b) **90°** — every quarter-turn.

c) **Order 4** (4 rotations land on itself in 360°).

Q1: 6 lines

Q2: 8 lines

Q3: 0 lines

Q4: 0 lines

EXTENSION SHEET · STRETCH ANSWERS

S1: 10 lines

S2: 1 line

S3: 1 line