

Tessellation – shapes that fit together

MODULE 8 · SYMMETRY, LOCATION AND TRANSFORMATION

SHAPE & SPACE

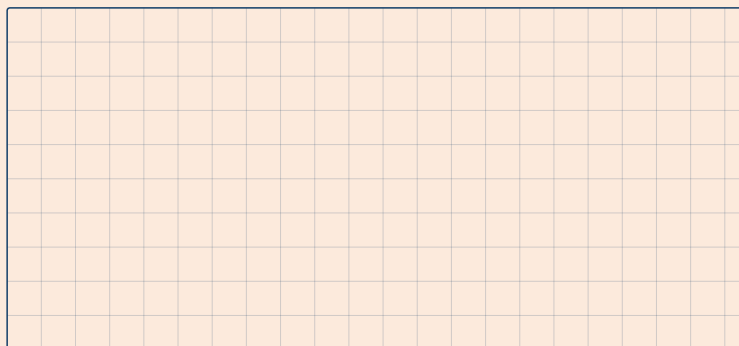
HOW TO ANSWER TODAY

- **Parts of a circle.** Centre = middle point. Radius = centre to edge. Diameter = edge through centre to edge. Circumference = the distance round.
Line from centre to edge → radius · All the way round → circumference
- **Polygon perimeter.** Regular = all sides equal. Perimeter = number of sides × side length.
Regular pentagon, side 4 cm → $5 \times 4 = 20$ cm
- **Name a 3D shape.** Count faces (flat surfaces), edges (where two faces meet), vertices (corners). Match to the shape.
5 faces, 9 edges, 6 vertices → triangular prism

TRY IT ON THE LINE

Continue and describe each pattern.

Patterns



1. Draw the next three shapes in the pattern.
2. Describe the rule of the pattern in words.
3. Make your own repeating pattern and swap to read a friend's.