

The circle – centre, radius and diameter

MODULE 7 · 2D AND 3D SHAPES AND ANGLES 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

★ STRETCH PROBLEMS

- 1 Oisín draws the centre circle on a Cumann na mBunscol pitch map for his project. The circle has a radius of **4 cm**. What do we call the line drawn straight across the circle through its centre, and how long is it?
- 2 At the farmers' market, Aoife buys a round wheel of cheese with a diameter of **10 cm**. What do we call the line from the centre to the edge of the cheese, and how long is it?
- 3 For sports day, Oisín draws a round prize token with a diameter of **10 cm**. He measures the line from the centre to the edge. What do we call that line, and how long is it?
- 4 Aoife draws a round bird-feeder tray for the classroom window, and it has a diameter of **18 cm**. What is the radius of the tray, and what do we call the very middle point of the circle?
- 5 Tadhg draws a round hurling sliotar on the sports noticeboard with a radius of **5 cm**. The diameter of his circle is ____ cm.