

Constructing circles and exploring their parts

WHAT THIS LESSON TEACHES

A **circle** is drawn with a compass set to the **radius**. Key parts: centre, radius, diameter ($= 2 \times$ radius) and circumference.

→ Diameter $= 2 \times$ radius; a 3 cm radius gives a **6 cm** diameter.

ANSWER KEY

W1: 10 cm

W2: single circle, radius 3 cm

Q1: 6 cm

Q2: single circle, radius 6 cm

Q3: 4.6 cm

Q4: 3 concentric circles, radii 3/5/7 cm

EXTENSION SHEET · STRETCH ANSWERS

S1: 3 cm

S2: radius, 5 cm

S3: single circle, radius 6.5 cm

S4: 20 cm

S5: 10 cm