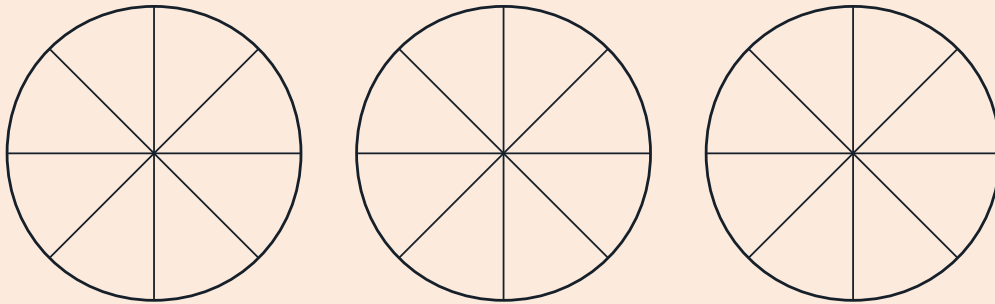


CENTRE, RADIUS AND DIAMETER OF A LID

- 1 Draw round a circular lid and mark the middle point. This is the **centre**.
- 2 Draw a straight line from the centre out to the edge. This radius measures **3 cm**.
- 3 Draw a straight line right across the lid through the centre. This diameter measures **6 cm**, twice the radius.

WARM-UP

Slice and shade the three sector circles to show centre, radius and diameter.



1. Mark the centre and shade 4 sectors on the first circle to match the 4 cm radius button
2. Draw a diameter and shade all 8 sectors on the second circle for the 8 cm shelf plan
3. Shade 6 sectors from the centre on the third circle to show the 6 cm radius window

PRACTICE

- 1 While making a round plate for a dollhouse you draw a **4 cm** line from the middle out to the rim. Is this line a radius or a diameter?
- 2 You are making a circular base for a tower and the radius is **5 cm**. How long must the diameter be that passes straight through the centre?

SPOT THE MISTAKE

Aoife draws a circle, marks the middle, and draws one straight line from the middle to the edge. She labels it like this:

line from centre to edge = diameter

Aoife mixed up the names. What is that line really called, and what is the diameter?

Explain _____ Answer

IRISH FACT A euro coin is a circle

A **1 euro** coin is a circle about **23 mm** across. That full width through the centre is the **diameter** – twice the **radius**.

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REFLECT Which part of a circle do you find easiest to spot – centre, radius or diameter?