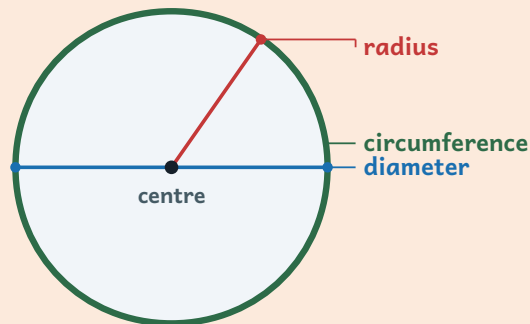


CONSTRUCT A CIRCLE WITH RADIUS 6 CM

- 1 Open your compass to 6 cm from the point to the pencil.
- 2 Place the point on the paper and draw the circle all the way round.
- 3 Mark the centre point and draw one radius line from centre to edge.

WARM-UP

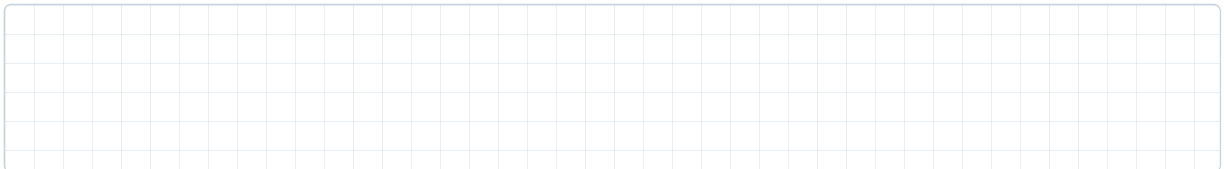
Draw and label one circle on the page.



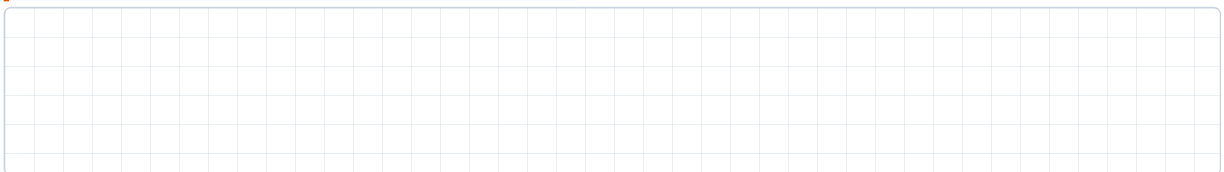
1. Set compass to 5 cm and draw the circle
2. Mark the centre and one radius of 5 cm
3. Draw the diameter of 10 cm across the circle

PRACTICE

- 1 A builder needs a round window with radius **3 cm** so he sets his compass to **3 cm**.
Open compass to 3 cm and draw the circle.



- 2 The maker draws a circle of radius **5 cm** and adds a chord line across it.
Draw a circle with radius 5 cm then mark a chord.

**? ALWAYS, SOMETIMES, NEVER**

Always, sometimes or never true? Write A, S or N.

- | | |
|---|---|
| a. Every radius in the same circle is the same length. ☐ | c. The diameter is twice the radius. ☐ |
| b. A chord passes through the centre of the circle. ☐ | d. A freehand circle has every radius the same length. ☐ |

