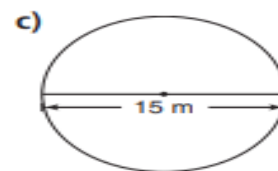
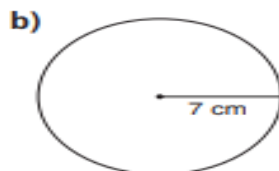
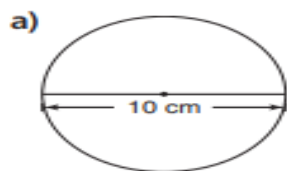
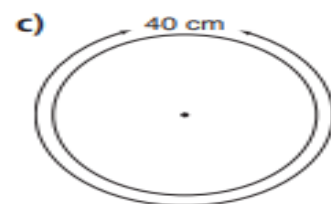
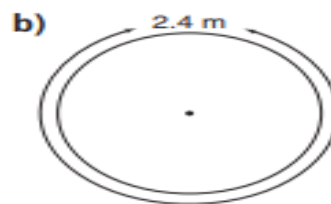
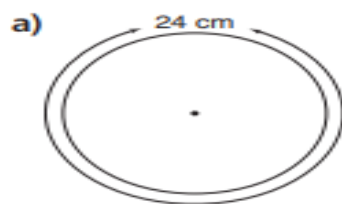


WS 136

- 1.** Calculate the circumference of each circle.
Give the answers to two decimal places.
Estimate to check the answers are reasonable.



- 2.** Calculate the diameter and radius of each circle.
Give the answers to two decimal places.
Estimate to check the answers are reasonable.



- 4.** A circular garden has diameter 2.4 m.
- The garden is to be enclosed with plastic edging.
How much edging is needed?
 - The edging costs \$4.53/m.
What is the cost to edge the garden?



- 5.** a) Suppose you double the diameter of a circle.
What happens to the circumference?
- b) Suppose you triple the diameter of a circle.
What happens to the circumference?
- Show your work.

6. A carpenter is making a circular tabletop with circumference 4.5 m.
What is the radius of the tabletop in centimetres?

Recall: $1 \text{ m} = 100 \text{ cm}$



8. **Assessment Focus** A bicycle tire has a spot of wet paint on it.
The radius of the tire is 46 cm.
Every time the wheel turns, the paint marks the ground.
- a) What pattern will the paint make on the ground as the bicycle moves?
- b) How far will the bicycle have travelled between two consecutive paint marks on the ground?
- c) Assume the paint continues to mark the ground.
How many times will the paint mark the ground when the bicycle travels 1 km?
Show your work.