

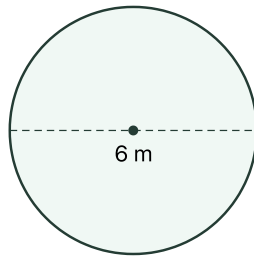
Circumference of a Circle Practice

Name: _____ Date: _____

Show your calculations, diagrams and explanations. Start with questions 1–2, then build toward the final challenge.

Public practice with published answers. This is not a full-topic readiness assessment.

1. A circle has diameter 6 m. Find its circumference exactly and using $\pi \approx 3.14$.

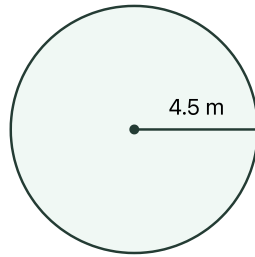


Drawing not to scale

Diameter 6 m

Show your work:

2. A circular pond has radius 4.5 m. Find its circumference in terms of π and using 3.14.



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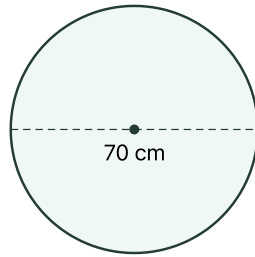
Pond radius

Show your work:

3. A circle has circumference 37.68 cm, calculated using $\pi \approx 3.14$. Recover its diameter and radius.

Show your work:

4. A bicycle wheel has diameter 70 cm. How far does it travel in 20 complete revolutions without slipping? Use $\pi \approx 3.14$ and give the answer in metres.



Drawing not to scale

Wheel diameter

Show your work:

5. A semicircular garden has radius 7 m. Find its complete perimeter, including the straight edge. Give an exact answer and use 3.14 for an estimate.

Show your work:

6. A running track has two straight sections of 40 m joined by two semicircular ends of radius 10 m. Sketch the track and find the distance for 3 laps using $\pi \approx 3.14$.

Show your work: