

Build Tasks



Work backwards from a circle's circumference or area to find its radius or diameter (use $\pi \approx 3.14$).

1. A circle has circumference 31.4 cm. What is its radius?

2. A circle has area 78.5 cm^2 . What is its radius?

3.



Circumference 25.12 m. Find r .

4. A circle has area 200.96 mm^2 . Find its diameter.

Build Tasks



Calculate the perimeter (including any straight edges) or area of a semicircle or quarter circle (use $\pi \approx 3.14$).

5.



Find the perimeter of this semicircle.

6.



Find the area of this semicircle.

7.



Find the area of this quarter circle.

8.



Find the perimeter, including both straight edges.

Build Tasks



Apply circumference and area to real-world and comparison problems (use $\pi \approx 3.14$).

9. A bicycle wheel has diameter 70 cm. How far does it travel in one revolution?

10. Which has the larger area: a circle with radius 8 cm, or a circle with circumference 43.96 cm?

11. A semicircular window has diameter 1.4 m. Find its area.

12. A circle has circumference 62.8 mm. Find its diameter.