

Circle Problems in Reverse

- (a) A circle has a circumference of 50 cm . Find the diameter of the circle to 1 decimal place.
- (b) A circle has a circumference of $24\pi \text{ cm}$. Find the diameter of the circle.
- (c) A circle has a circumference of 115 mm . Find the radius of the circle to 1 decimal place.

- (a) 15.9 cm .
- (b) 24 cm
- (c) 18.3 mm

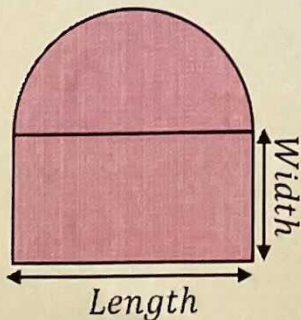
- (a) A circle has an area of $16\pi \text{ cm}^2$. Find the radius of the circle.
- (b) A circle has an area of 82 cm^2 . Find the radius of the circle to 1 decimal place.
- (c) A circle has an area of 14.2 m^2 . Find the ~~diameter~~ diameter of the circle correct to 1 decimal place.

- (a) 4 cm
- (b) 5.1 cm
- (c) 4.3 m

- (a) A semi-circle has an area of 35 cm^2 . Find the radius of the semi-circle to 1 decimal place.
- (b) A semi-circle has an area of $32\pi \text{ cm}^2$. Find the diameter of the semi-circle.
- (c) A quarter circle has an area of 4 m^2 . Find the radius of the quarter circle to 1 decimal place.

- (a) 4.7 cm
- (b) 16 cm
- (c) 2.3 m

Given the total area of this compound shape is 100 cm^2 and the area of the rectangle is 66 cm^2 , find length and width of the rectangle.



$$\text{Area of semi-circle} = 34 \text{ cm}^2$$

$$\text{Radius} = 3.3 \text{ cm}$$

$$\text{Length} = 6.6 \text{ cm}$$

$$\text{Width} = 10 \text{ cm}$$