



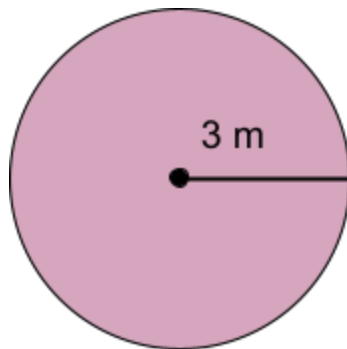
Circumference of Circle

FREE Worksheet - 2

Time: 15 minutes

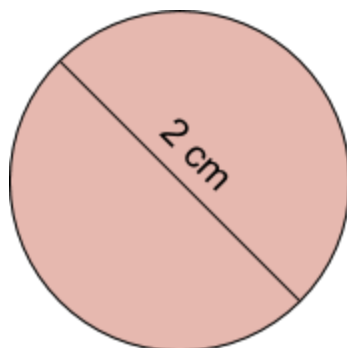
(Detailed solutions at the end)

1. The radius of a circular sheet of plastic is 3 m. Find its circumference correct to the hundredths place. ($\pi = 22 / 7$)



Answer: _____m

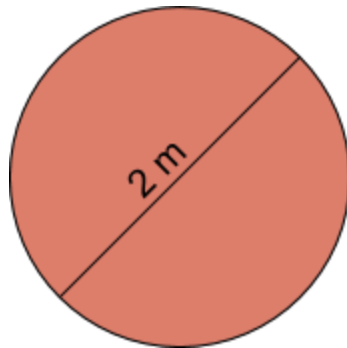
2. Find the circumference of the circle below correct to 2 decimal places. (Diameter = 2 cm, $\pi = 22 / 7$)



Answer: _____m

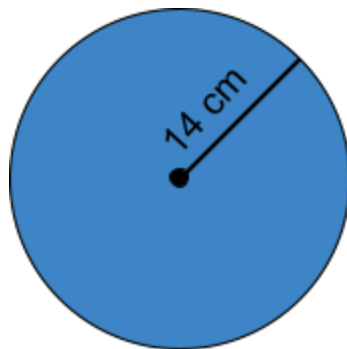


3. A round stage has a diameter of 2 m. What is the circumference of the stage? Round off your answer to 2 decimal places. ($\pi = 22 / 7$)



Answer: _____m

4. What is the circumference of the circle below? Give your answer correct to 2 decimal places. (Radius = 14 cm, $\pi = 22 / 7$)



Answer: _____cm



SOLUTIONS

Problem 1

We know,

$$\text{Circumference of a circle} = 2 \times \pi \times \text{Radius}$$

Given,

$$\text{Radius} = 3 \text{ m}$$

$$\pi = 22 / 7$$

Therefore,

$$\begin{aligned} \text{Circumference} &= 2 \times 22 / 7 \times 3 \text{ m} \\ &= \mathbf{18.86 \text{ m}} \end{aligned}$$

Problem 2

We know,

$$\text{Circumference of a circle} = \pi \times \text{Diameter}$$

Given,

$$\text{Diameter} = 2 \text{ cm}$$

$$\pi = 22 / 7$$

Therefore,

$$\begin{aligned} \text{Circumference} &= 22 / 7 \times 2 \text{ cm} \\ &= \mathbf{6.29 \text{ cm}} \end{aligned}$$



Problem 3

We know,

$$\text{Circumference of a circle} = \pi \times \text{Diameter}$$

Given,

$$\text{Diameter} = 2 \text{ cm}$$

$$\pi = 22 / 7$$

Therefore,

$$\begin{aligned} \text{Circumference} &= 22 / 7 \times 6 \text{ cm} \\ &= \mathbf{6.29 \text{ cm}} \end{aligned}$$

Problem 4

We know,

$$\text{Circumference of a circle} = 2 \times \pi \times \text{Radius}$$

Given,

$$\text{Radius} = 14 \text{ cm}$$

$$\pi = 22 / 7$$

Therefore,

$$\begin{aligned} \text{Circumference} &= 2 \times 22 / 7 \times 14 \text{ cm} \\ &= \mathbf{88.0 \text{ cm}} \end{aligned}$$