Radius and Diameter of Circle

FREE Worksheet - 3

Time: 15 minutes

(Detailed solutions at the end)

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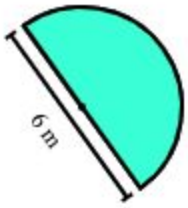
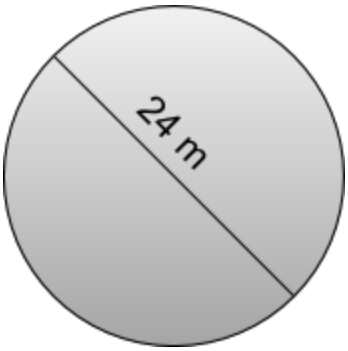
1. What is the radius of the semicircle below? (Diameter = 6 m)



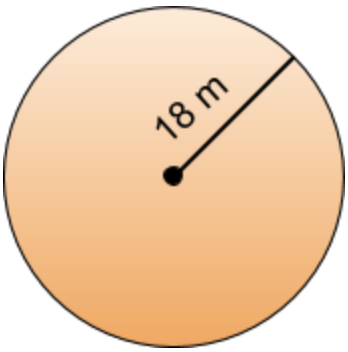
Answer:_____m

2. A round stage has a diameter of 24 m. What is the radius of the stage?



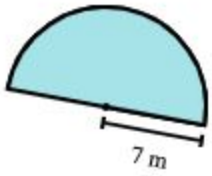
Answer:_____m

3. A circle has a radius of 18 m. Find the diameter of the circle.



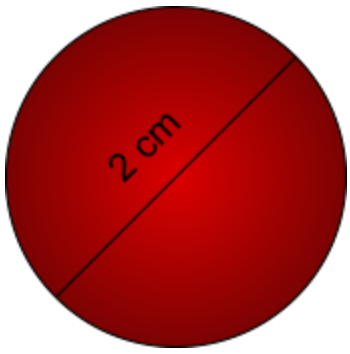
Answer:_____m

4. A semicircle has a radius of 7 m. Find the diameter of the circle.



Answer:_____m

5. Claudia formed a circle as shown below with a piece of string. Find the radius of the circle formed. (Diameter = 2 cm)



Answer:_____cm

SOLUTIONS

Problem 1

Given,

Diameter of the semicircle = 6 m

We know,

Radius = Diameter ÷ 2

Therefore,

Radius = 6 m ÷ 2

= ***3 m***

Problem 2

Given,

Diameter of the circle = 24 m

We know,

Radius = Diameter ÷ 2

Therefore,

Radius = 24 m ÷ 2

= 12 m

Problem 3

Given,

Radius of the circle = 18 m

We know,

Diameter = Radius × 2

Therefore,

Diameter = 18 m × 2

= ***36 m***

Problem 4

Given,

Radius of the semicircle = 7 m

We know,

Diameter = Radius × 2

Therefore,

Diameter = 7 m × 2

= ***14 m***

Problem 5

Given,

Diameter of the circle = 2 cm

We know,

Radius = Diameter ÷ 2

Therefore,

Radius = 2 cm ÷ 2

= ***1 cm***