Radius and Diameter of Circle

FREE Worksheet - 1

Time: 15 minutes

(Detailed solutions at the end)

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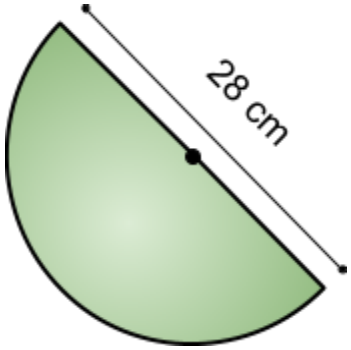
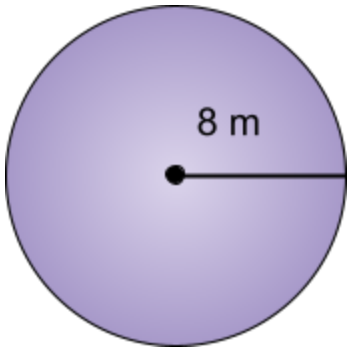
1. Find the radius of the semicircle below. (Diameter = 28 cm)



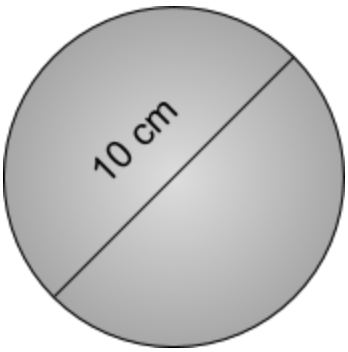
Answer:_____cm

2. Find the diameter of the circle below. (Radius = 8 m)



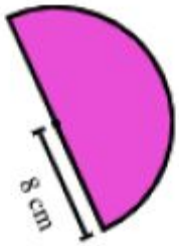
Answer:_____m

3. The diameter of a circular mirror is 10 cm. Find the radius of the mirror.



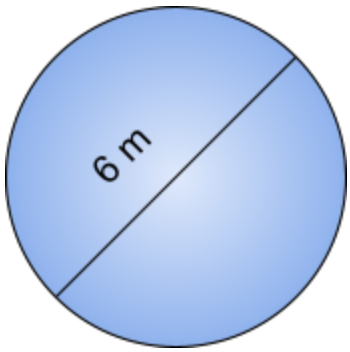
Answer:_____cm

4. The radius of a semicircle is 8 cm. What is its diameter?



Answer:_____cm

5. A round mirror has a diameter of 6 m. Find the radius of the mirror.



Answer:_____cm

SOLUTIONS

Problem 1

Given,

Diameter of the semicircle = 28 cm

We know,

Radius = Diameter ÷ 2

Therefore,

Radius = 28 cm ÷ 2

= ***14 cm***

Problem 2

Given,

Radius of the circle = 8 m

We know,

Diameter = Radius × 2

Therefore,

Diameter = 8 m × 2

= ***16 m***

Problem 3

Given,

Diameter of the circle = 10 cm

We know,

Radius = Diameter ÷ 2

Therefore,

Radius = 10 cm ÷ 2

= 5 cm

Problem 4

Given,

Radius of the semicircle = 8 cm

We know,

Diameter = Radius × 2

Therefore,

Diameter = 8 cm × 2

= ***16 cm***

Problem 5

Given,

Diameter of the circle = 6 m

We know,

Radius = Diameter ÷ 2

Therefore,

Radius = 6 m ÷ 2

= ***3 m***