math Antics Worksheets

Name:

Date:

Diameter and Radius

G-CPI 1

Instructions: In each problem below, calculate either the diameter or the radius from the information given.

1 **If the diameter of a circle is 8 feet, What is the radius?**

Remember that $r = d \div 2$

$r = 8 \div 2$

$r = 4$ ft

2 **If the radius of a circle is 3 cm, What is the diameter?**

Remember that $d = r \times 2$

$d = 3 \times 2$

$d = 6$ cm

3 **If the diameter of a circle is 20 inches, What is the radius?**

4 **If the radius of a circle is 9 meters, What is the diameter?**

5 **If the diameter of a circle is 64 cm, What is the radius?**

6 **If the radius of a circle is 15 yards, What is the diameter?**

7 **If the diameter of a circle is 86 feet, What is the radius?**

8 **If the radius of a circle is 16 mm, What is the diameter?**

9 **If the diameter of a circle is 7 inches, What is the radius?**

10 **If the radius of a circle is 2.5 meters, What is the diameter?**

math Antics
Exercises

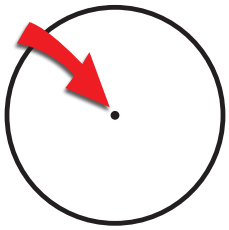
Name: _____

Date: _____

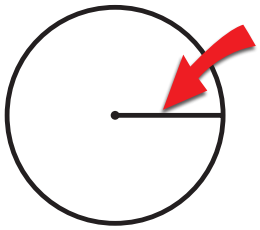
Circles: What is PI?

1 What is this part of a circle called?

_____



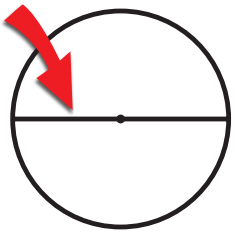
2 What is this part of a circle called?



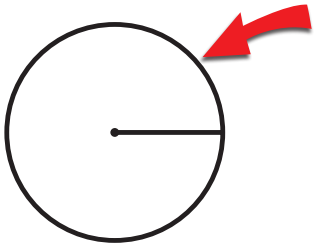
_____

3 What is this part of a circle called?

_____



4 What is this part of a circle called?



_____

5 Fill in the blanks:

PI is the _____

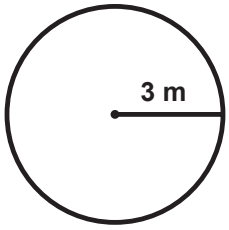
of a circle's _____

to its _____ **.**

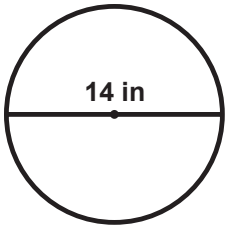
6 What is the numerical value of PI to two decimal places?

π = _____

7 If the radius of a circle is 3 meters, what is the circle's diameter?



8 If the diameter of a circle is 14 inches, what is the circle's radius?



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Remember that $d = r \times 2$

$d = 3 \times 2$

$d = 6$ cm

3 **If the diameter of a circle is 20 inches, What is the radius?**

$r = 20 \div 2$

$r = 10$ in

4 **If the radius of a circle is 9 meters, What is the diameter?**

$d = 9 \times 2$

$d = 18$ m

5 **If the diameter of a circle is 64 cm, What is the radius?**

$r = 64 \div 2$

$r = 32$ cm

6 **If the radius of a circle is 15 yards, What is the diameter?**

$d = 15 \times 2$

$d = 30$ yd

7 **If the diameter of a circle is 86 feet, What is the radius?**

$r = 86 \div 2$

$r = 43$ ft

8 **If the radius of a circle is 16 mm, What is the diameter?**

$d = 16 \times 2$

$d = 32$ mm

9 **If the diameter of a circle is 7 inches, What is the radius?**

$r = 7 \div 2$

$r = 3.5$ in

10 **If the radius of a circle is 2.5 meters, What is the diameter?**

$d = 2.5 \times 2$

$d = 5$ m

math Antics Exercises

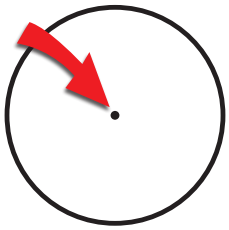
Name: _____

Date: _____

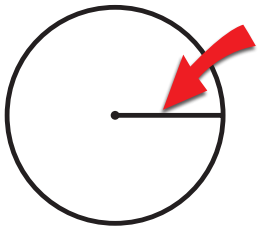
Circles: What is PI?

1 What is this part of a circle called?

center (or origin)



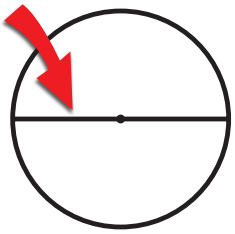
2 What is this part of a circle called?



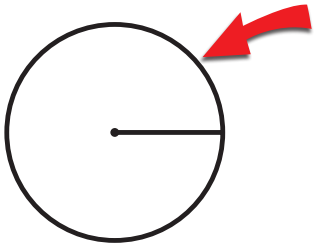
radius

3 What is this part of a circle called?

diameter



4 What is this part of a circle called?



circumference (or perimeter)

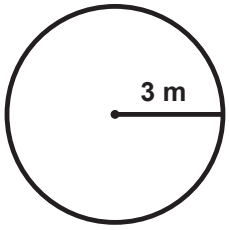
5 Fill in the blanks:

PI is the ratio **of a circle's** circumference **to its** diameter**.**

6 What is the numerical value of PI to two decimal places?

π = 3.14

7 If the radius of a circle is 3 meters, what is the circle's diameter?

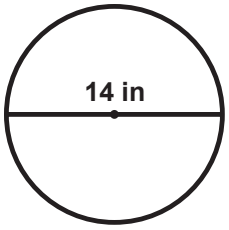


d = 2 x r

d = 2 x 3

d = 6 meters

8 If the diameter of a circle is 14 inches, what is the circle's radius?



r = d ÷ 2

r = 14 ÷ 2

r = 7 inches

See Video for step-by-step solutions to each problem.