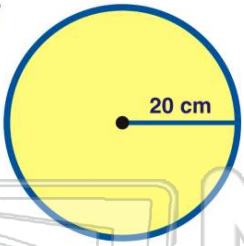
Diameter of Circle

Math F

Name _____ Class _____ Date _____

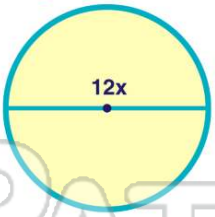
1 In the circle shown, how long is the **diameter**?

A 10 cm
B 20 cm
C 40 cm
D 50 cm



2 A diameter has a length of 12x. What is the length of the **radius**?

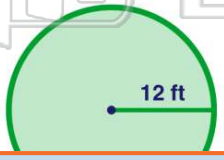
A 3x
B 6x
C 12x
D 24x



3 **Estimate the circumference** of a circle, using about 3 for π, if the radius is 12 feet.

$C = 2 \cdot \pi \cdot r$

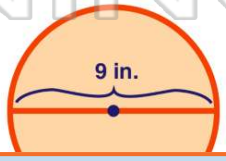
A 12 ft
B 18 ft



4 **Estimate the circumference** of the circle shown, using about 3 for π.

$C = \pi \cdot d$

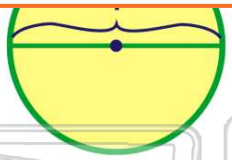
A 9 in.
B 13.5 in.
C 27 in.



5

7

A 9 cm
B 11cm
C 16.5 cm
D 33 cm

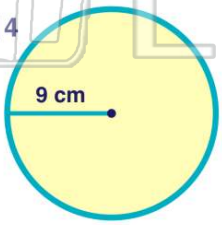


A 6 in.
B 7 in.
C 14 in.
D 21 in.

9 If the radius of a circle is 9 cm, what is the **circumference**?

$C = 2 \cdot \pi \cdot r \quad \pi = 3.14$

A 9.42 cm
B 50.24 cm
C 56.52 cm
D 254.34 cm



10 The diameter of a tire is 60 cm. What is the **circumference** of the tire?

$C = \pi \cdot d \quad \pi = 3.14$

A 10 cm
B 20 cm
C 94.2 cm
D 188.4 cm

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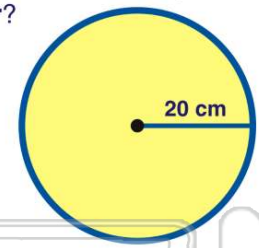
Math F

ANSWER KEY

In the circle shown, how long is the **diameter**?

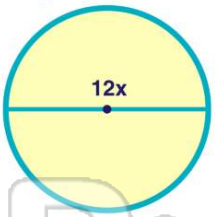
A 10 cm
B 20 cm
C 40 cm
D 50 cm



c

A diameter has a length of 12x. What is the length of the **radius**?

A 3x
B 6x
C 12x
D 24x

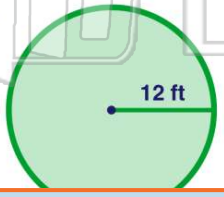


b

Estimate the circumference of a circle, using about 3 for π, if the radius is 12 feet.

$C = 2 \cdot \pi \cdot r$

A 12 ft
B 18 ft
C 36 ft

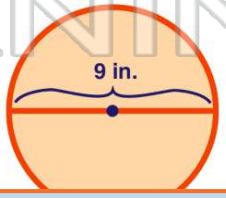


d

Estimate the circumference of the circle shown, using about 3 for π.

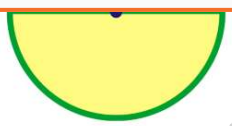
$C = \pi \cdot d$

A 9 in.
B 13.5 in.
C 27 in.
D 54 in.



c

A 9 cm
B 11cm
C 16.5 cm
D 33 cm

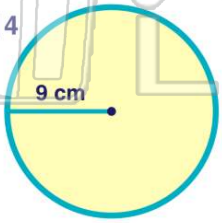


A 6 in.
B 7 in.
C 14 in.
D 21 in.

If the radius of a circle is 9 cm, what is the **circumference**?

$C = 2 \cdot \pi \cdot r$ $\pi = 3.14$

A 9.42 cm
B 50.24 cm
C 56.52 cm
D 254.34 cm



c

The diameter of a tire is 60 cm. What is the **circumference** of the tire?

$C = \pi \cdot d$ $\pi = 3.14$

A 10 cm
B 20 cm
C 94.2 cm
D 188.4 cm

d