

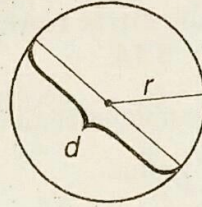
Roundabout

CONSIDER THIS

Use the **circumference** formula for the dimension you are given.

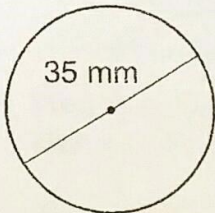
Given the diameter (d), use $C = \pi d$.

Given the radius (r), use $C = 2\pi r$.

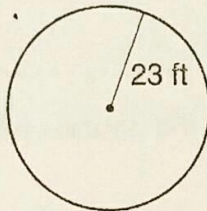


Find the circumference of the circle. Round the answer to the nearest tenth.
Use $\pi \approx 3.14$.

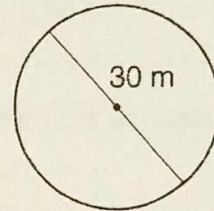
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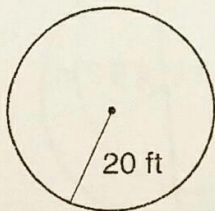
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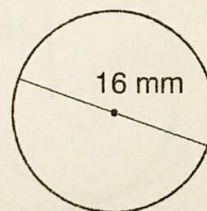
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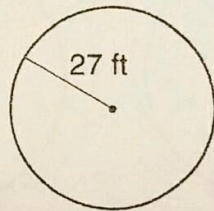
4



5



6



7 $r = 19$ m

8 $d = 26$ ft

9 $d = 18$ mm

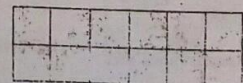
10 $r = 21$ ft

11 $r = 17$ m

12 $d = 44$ ft

Answer Box

A	B	C	D	E	F
138.2 ft	81.6 ft	119.3 m	131.9 ft	50.2 mm	106.8 m
G	H	I	J	K	L
144.4 ft	169.6 ft	109.9 mm	125.6 ft	56.5 mm	94.2 m



Going Around In . . .

Example

Find the circumference of the circle rounded to the nearest tenth. Use $\pi \approx 3.14$.

Use the formula for the circumference of a circle:

$$\text{Circumference} = 2 \times \pi \times \text{radius}$$

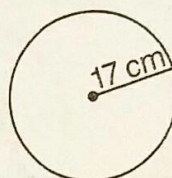
$$C = 2\pi r$$

or

$$\text{Circumference} = \pi \times \text{diameter}$$

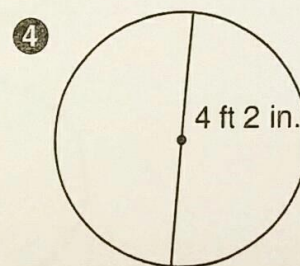
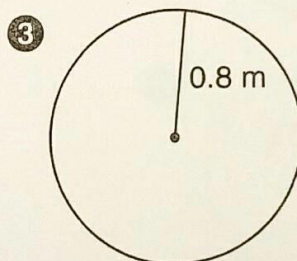
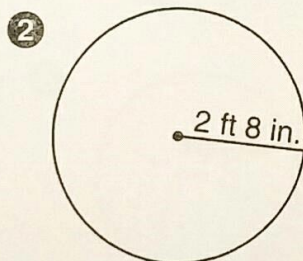
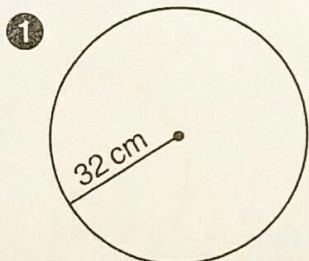
$$C = \pi d$$

So, the circumference rounded to the nearest tenth is **106.8 cm**.



$$\begin{aligned} C &= 2\pi r \\ &= 2 \times \pi \times 17 \text{ cm} \\ &\approx 106.76 \text{ cm} \end{aligned}$$

Find the circumference of the circle rounded to the nearest tenth. Use $\pi \approx 3.14$.



5 $r = 390 \text{ mm}$

6 $r = 1 \text{ ft } 4 \text{ in.}$

7 $d = 0.7 \text{ m}$

8 $r = 33 \text{ cm}$

9 $d = 46 \text{ in.}$

10 $d = 2 \text{ ft } 10 \text{ in.}$

11 $r = 430 \text{ mm}$

12 $d = \frac{1}{2} \text{ ft}$

Answer Box

A	B	C	D	E	F
201.0 cm	157.0 in.	201.0 in.	100.5 in.	144.4 in.	502.4 cm
G	H	I	J	K	L
219.8 cm	106.8 in.	18.8 in.	207.2 cm	244.9 cm	270.0 cm

