



Circumference of circles

Name _____

Score _____

CC:24

Find the radius and diameter from the given circumference. (Use $\pi = \frac{22}{7}$ or 3.14)

Example

Circumference	Radius	Diameter
15.7 cm	$C = 2\pi r$ $15.7 \text{ cm} = 2 \times 3.14 \times r$ $15.7 \text{ cm} = 6.28 \times r$ $r = \frac{15.7}{6.28}$ $r = 2.5 \text{ cm}$	$C = \pi d$ $15.7 \text{ cm} = 3.14 \times d$ $d = \frac{15.7}{3.14}$ $d = 5 \text{ cm}$

1)

Circumference	Radius	Diameter
$28\pi \text{ m}$		

2)

Circumference	Radius	Diameter
20.096 mm		

3)

Circumference	Radius	Diameter
48.356 cm		

4)

Circumference	Radius	Diameter
$17\pi \text{ m}$		

5)

Circumference	Radius	Diameter
37.052 m		

6)

Circumference	Radius	Diameter
50.24 mm		

7)

Circumference	Radius	Diameter
9.42 cm		

8)

Circumference	Radius	Diameter
$18\pi \text{ mm}$		



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Answer key

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1)

Circumference	Radius	Diameter
$28\pi \text{ m}$	14 m	28 m

2)

Circumference	Radius	Diameter
20.096 mm	3.2 mm	6.4 mm

3)

Circumference	Radius	Diameter
48.356 cm	7.7 cm	15.4 cm

4)

Circumference	Radius	Diameter
$17\pi \text{ m}$	8.5 m	17 m

5)

Circumference	Radius	Diameter
37.052 m	5.9 m	11.8 m

6)

Circumference	Radius	Diameter
50.24 mm	8 mm	16 mm

7)

Circumference	Radius	Diameter
9.42 cm	1.5 cm	3 cm

8)

Circumference	Radius	Diameter
$18\pi \text{ mm}$	9 mm	18 mm