



Circumference of circles

Name _____

Score _____

CC:22

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

Example

Circumference	Radius	Diameter
37.68 mm	$C = 2\pi r$ $37.68 \text{ mm} = 2 \times 3.14 \times r$ $37.68 = 6.28 \times r$ $r = \frac{37.68}{6.28}$ $r = 6 \text{ mm}$	$C = \pi d$ $37.68 \text{ mm} = 3.14 \times d$ $d = \frac{37.68}{3.14}$ $d = 12 \text{ mm}$

1)

Circumference	Radius	Diameter
12.56 cm		

2)

Circumference	Radius	Diameter
$3.8\pi \text{ m}$		

3)

Circumference	Radius	Diameter
62.8 mm		

4)

Circumference	Radius	Diameter
47.1 cm		

5)

Circumference	Radius	Diameter
$10\pi \text{ cm}$		

6)

Circumference	Radius	Diameter
43.96 mm		

7)

Circumference	Radius	Diameter
29.516 m		

8)

Circumference	Radius	Diameter
$2\pi \text{ m}$		



Circumference of circles

Name _____

Score _____

Answer key

CC:22

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

Example

Circumference	Radius	Diameter
37.68 mm	$C = 2\pi r$ $37.68 \text{ mm} = 2 \times 3.14 \times r$ $37.68 = 6.28 \times r$ $r = \frac{37.68}{6.28}$ $r = 6 \text{ mm}$	$C = \pi d$ $37.68 \text{ mm} = 3.14 \times d$ $d = \frac{37.68}{3.14}$ $d = 12 \text{ mm}$

1)

Circumference	Radius	Diameter
12.56 cm	2 cm	4 cm

2)

Circumference	Radius	Diameter
$3.8\pi \text{ m}$	1.9 m	3.8 m

3)

Circumference	Radius	Diameter
62.8 mm	10 mm	20 mm

4)

Circumference	Radius	Diameter
47.1 cm	7.5 cm	15 cm

5)

Circumference	Radius	Diameter
$10\pi \text{ cm}$	5 cm	10 cm

6)

Circumference	Radius	Diameter
43.96 mm	7 mm	14 mm

7)

Circumference	Radius	Diameter
29.516 m	4.7 m	9.4 m

8)

Circumference	Radius	Diameter
$2\pi \text{ m}$	1 m	2 m