

Circumference and diameter worksheet B

Name _____ Date _____

Use $\pi = 3.14$ and round each answer to one decimal place.

Diameter from circumference

1. The circumference is 62.8 cm. Find the diameter.

Answer _____ cm

2. The circumference is 22 in. Find the diameter.

Answer _____ in

3. The circumference is 40 cm. Find the diameter.

Answer _____ cm

4. The circumference is 75 mm. Find the diameter.

Answer _____ mm

Circumference from diameter

5. The diameter is 8 cm. Find the circumference.

Answer _____ cm

6. The diameter is 3.5 in. Find the circumference.

Answer _____ in

7. The diameter is 1.2 m. Find the circumference.

Answer _____ m

8. The diameter is 32 mm. Find the circumference.

Answer _____ mm

Radius

9. The circumference is 31.4 cm. Find the radius.

Answer _____ cm

10. The radius is 7 in. Find the circumference.

Answer _____ in

11. The circumference is 80 cm. Find the radius.

Answer _____ cm

12. The radius is 1.4 m. Find the circumference.

Answer _____ m

Word problems

13. A string wrapped once around a pipe measures 13 cm. How wide is the pipe across?

Answer _____ cm

14. A bike wheel is 26 in across. How far does it roll in one full turn?

Answer _____ in

15. A round cake pan is 8 in across. How long a strip of paper wraps once around its side?

Answer _____ in

16. A tape around a tree trunk reads 94 in. What is the trunk's diameter?

Answer _____ in

Answer key B

Answers use $\pi = 3.14$, rounded to one decimal place.

Diameter from circumference

1. 20.0 cm
2. 7.0 in
3. 12.7 cm
4. 23.9 mm

Circumference from diameter

5. 25.1 cm
6. 11.0 in
7. 3.8 m
8. 100.5 mm

Radius

9. 5.0 cm
10. 44.0 in
11. 12.7 cm
12. 8.8 m

Word problems

13. 4.1 cm
14. 81.6 in
15. 25.1 in
16. 29.9 in