

Circumference and diameter worksheet A

Name _____ Date _____

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

Diameter from circumference

1. The circumference is 31.4 cm. Find the diameter.

Answer _____ cm

2. The circumference is 47.1 in. Find the diameter.

Answer _____ in

3. The circumference is 25 cm. Find the diameter.

Answer _____ cm

4. The circumference is 100 mm. Find the diameter.

Answer _____ mm

Circumference from diameter

5. The diameter is 6 cm. Find the circumference.

Answer _____ cm

6. The diameter is 12 in. Find the circumference.

Answer _____ in

7. The diameter is 2.4 m. Find the circumference.

Answer _____ m

8. The diameter is 45 mm. Find the circumference.

Answer _____ mm

Radius

9. The circumference is 18.84 cm. Find the radius.

Answer _____ cm

10. The radius is 5 in. Find the circumference.

Answer _____ in

11. The circumference is 50 cm. Find the radius.

Answer _____ cm

12. The radius is 2.6 m. Find the circumference.

Answer _____ m

Word problems

13. A string wrapped once around a pipe measures 11 cm. How wide is the pipe across?

Answer _____ cm

14. A bike wheel is 66 cm across. How far does it roll in one full turn?

Answer _____ cm

15. A round cake pan is 9 in across. How long a strip of paper wraps once around its side?

Answer _____ in

16. A tape around a tree trunk reads 157 cm. What is the trunk's diameter?

Answer _____ cm

Answer key A

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

Diameter from circumference

1. 10.0 cm
2. 15.0 in
3. 8.0 cm
4. 31.8 mm

Circumference from diameter

5. 18.8 cm
6. 37.7 in
7. 7.5 m
8. 141.3 mm

Radius

9. 3.0 cm
10. 31.4 in
11. 8.0 cm
12. 16.3 m

Word problems

13. 3.5 cm
14. 207.2 cm
15. 28.3 in
16. 50.0 cm