

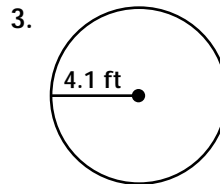
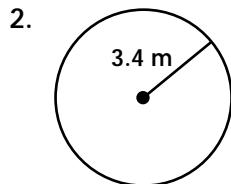
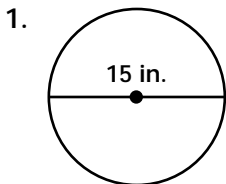
# Practice 5-7

## Example Exercises

### Example 1

Find the circumference of each circle given the radius or the diameter.

Leave your answer in terms of  $\pi$ .



4. The radius is 5 in.

5. The radius is 32 cm.

6. The diameter is 3 ft.

7. The diameter is 1.7 m.

8. The radius is 19 in.

9. The diameter is  $3\frac{3}{4}$  ft.

### Example 2

Find the circumference of each circle, given the diameter  $d$  or the radius  $r$ .

Round your answers to the nearest tenth.

10.  $r = 3.7$  in.

11.  $d = 25$  in.

12.  $d = 11$  ft

13.  $d = 4.3$  cm

14.  $r = 0.8$  m

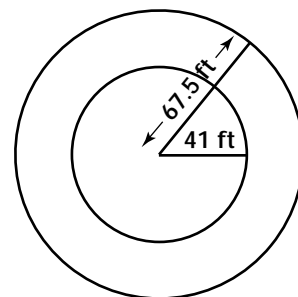
15.  $d = 20$  m

16.  $r = 100$  ft

17.  $d = 6.8$  cm

18. By how much does the diameter of the larger circle exceed the diameter of the smaller circle?

19. By how much does the circumference of the larger circle exceed the circumference of the smaller circle? Round your answer to the nearest whole number.



### Example 3

Find the length of each arc. Leave your answer in terms of  $\pi$ .

