

Lesson 2 Skills Practice

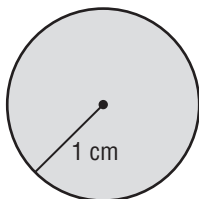
$$A = 3.14 \times r \times r$$

Area of Circles

Find the area of each circle. Round to the nearest tenth.

Use 3.14 or $\frac{22}{7}$ for π .

1.



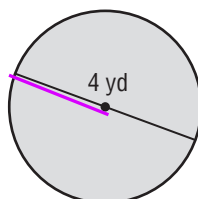
$$A = 1 \times 1 \times (\pi)$$

$$A = 1 \times (\pi)$$

$$A = 1 \times (3.14)$$

$$A = 3.14 \text{ cm}^2$$

2.



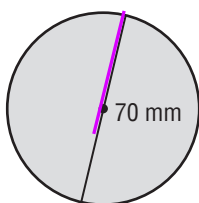
$$A = 2 \times 2 \times (\pi)$$

$$A = 4 \times (\pi)$$

$$A = 4 \times (3.14)$$

$$A = 12.56 = 12.6 \text{ yd}^2$$

3.



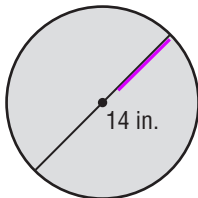
$$3.14 \times 35 \times 35$$

$$A = 35 \times 35 \times (\pi)$$

$$A = 1225 \times (3.14)$$

$$A = 3846.5 = 3847 \text{ mm}^2$$

4.



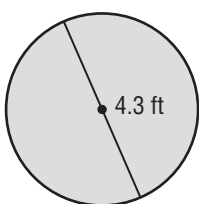
$$A = 7 \times 7 \times (\pi)$$

$$A = 49 \times (\pi)$$

$$A = 49 \times (3.14)$$

$$A = 154.86 = 153.9 \text{ in}^2$$

5.



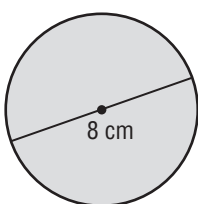
$$A = 2.15 \times 2.15 \times (\pi)$$

$$A = 4.6225 \times (\pi)$$

$$A = 4.6225 \times (3.14)$$

$$A = 14.51465 = 14.5$$

6.



$$A = 4 \times 4 \times (\pi)$$

$$A = 16 \times (\pi)$$

$$A = 16 \times (3.14)$$

$$A = 50.24 = 50.2 \text{ cm}^2$$

7. radius = 5.7 mm $5.7 \times 5.7 \times 3.14$
102 mm²

8. radius = 8.2 ft $8.2 \times 8.2 \times 3.14$
211.1 ft²

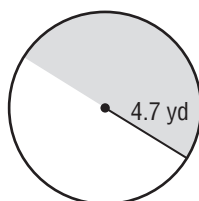
9. diameter = 3 in. $1.5 \times 1.5 \times 3.14$
7.1 in²

10. diameter = 15.6 cm $7.8 \times 7.8 \times 3.14$
191.0 cm²

Find the area of each semicircle. Round to the nearest tenth.

Use 3.14 for π .

11.

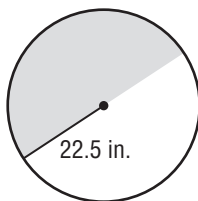


$$4.7 \times 4.7 \times 3.14$$

$$\text{divided by } 2$$

$$34.7 \text{ yd}^2$$

12.



$$22.5 \times 22.5 \times 3.14$$

$$\text{divide by } 2$$

$$794.8 \text{ in}^2$$