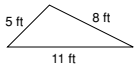
LESSON 9-2

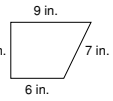
Practice A

Perimeter and Circumference

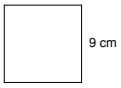
Find the perimeter of each polygon.

1. 

24 ft

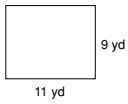
2. 

28 in.

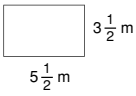
3. 

36 cm

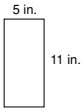
Find the perimeter of each rectangle.

4. 

40 yd

5. 

18 m

6. 

32 in.

Find the circumference of each circle to the nearest tenth. Use 3.14 for π. Choose the letter for the best answer.

7. 

A 12.5 ft (C) 25.1 ft
B 12.6 ft D 25.2 ft

8. 

F 21.9 cm H 43.9 cm
G 22.0 cm (J) 44.0 cm

9. 

A 8.1 yd C 25.2 yd
(B) 15.7 yd D 31.4 yd

10. 

(F) 56.5 in. H 28.2 in.
G 28.3 in. J 14.1 in.

11. The diameter of a clock is 7 inches. What is the circumference of the clock? Use $\frac{22}{7}$ for π.
22 in.

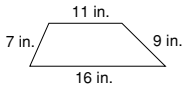
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LESSON 9-2

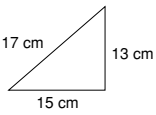
Practice B

Perimeter and Circumference

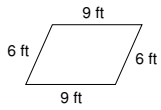
Find the perimeter of each polygon.

1. 

43 in.

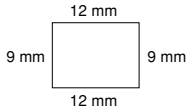
2. 

45 cm

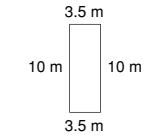
3. 

30 ft

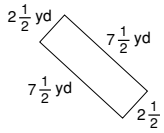
Find the perimeter of each rectangle.

4. 

42 mm

5. 

27 m

6. 

20 yd

Find the circumference of each circle to the nearest tenth. Use 3.14 for π or $\frac{22}{7}$.

7. 

18.8 in.

8. 

56.5 cm

9. 

4.7 ft

10. A circular swimming pool is 21 feet in diameter. What is the circumference of the swimming pool? Use $\frac{22}{7}$ for π.
66 ft

11. A jar lid has a diameter of 42 millimeters. What is the circumference of the lid? Use $\frac{22}{7}$ for π.
132 mm

12. A frying pan has a radius of 14 centimeters. What is the circumference of the frying pan? Use $\frac{22}{7}$ for π.
88 cm

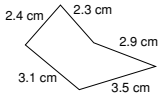
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LESSON 9-2

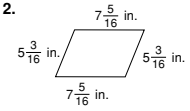
Practice C

Perimeter and Circumference

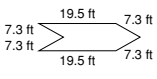
Find the perimeter of each polygon.

1. 

14.2 cm

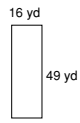
2. 

25 in.

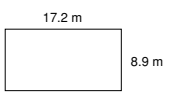
3. 

68.2 ft

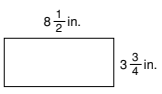
Find the perimeter of each rectangle.

4. 

130 yd

5. 

52.2 m

6. 

24 1/2 in.

Find each missing measurement to the nearest tenth. Use 3.14 for π or $\frac{22}{7}$.

7. r = 14.5 in.
d = 29 in.
C = 91.1 in.

8. r = 5.7 yd
d = 11.3 yd
C = 35.6 yd

9. r = 3.8 cm
d = 7.6 cm
C = 23.9 cm

10. r = 1.8 m
d = 3.6 m
C = 11.3 m

Solve.

11. In NCAA basketball rules, the basketball can have a maximum circumference of 30 inches. What is the maximum diameter of an NCAA basketball to the nearest hundredth?
9.55 in.

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LESSON 9-2

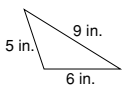
Reteach

Perimeter and Circumference

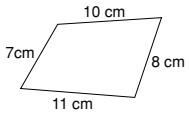
The **perimeter** of any figure is the distance around the figure. Think of *perimeter* as "going around the rim" of a figure. Find the perimeter of a figure by adding the measures of the sides.

The word per**rim**eter has the word **rim** in it.

Find the perimeter of each polygon.

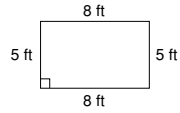


$P = 6 + 5 + 9$
$P = 20$
The perimeter of the triangle is 20 in.



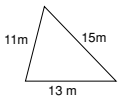
$P = 7 + 11 + 10 + 8$
$P = 36$
The perimeter of the quadrilateral is 36 cm.

To find the perimeter of a rectangle, you can add the length and the width and multiply the sum by 2. The formula for the perimeter of a rectangle is $P = 2(\ell + w)$.

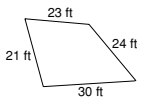


$P = 2(\ell + w)$
$P = 2(8 + 5)$
$P = 2(13)$
$P = 26$
The perimeter of the rectangle is 26 feet.

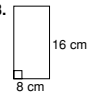
Find the perimeter of each polygon.

1. 

P = 11 + 13 + 15
P = 39 m

2. 

P = 21 + 23 + 24 + 30
P = 98 ft

3. 

P = 2(16 + 8)
P = 48 cm

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