

# ALGEBRA

## Lesson 11.3

Name \_\_\_\_\_

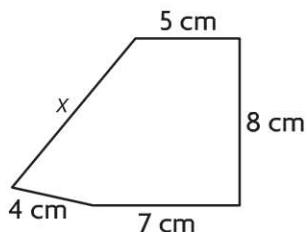
### Find Unknown Side Lengths

COMMON CORE STANDARD CC.3.MD.8

Geometric measurement: recognize perimeter as an attribute of plane figures and distinguish between linear and area measures.

Find the unknown side lengths.

1. Perimeter = 33 centimeters



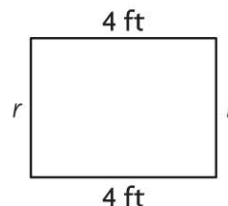
$$5 + 8 + 7 + 4 + x = 33$$

$$24 + x = 33$$

$$x = 9$$

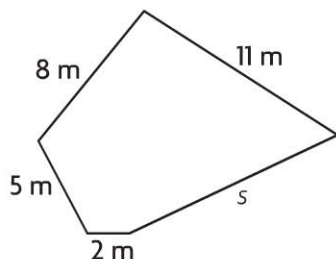
$x =$  9 centimeters

2. Perimeter = 14 feet



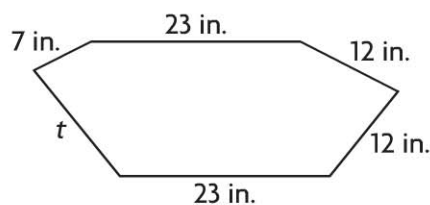
$r =$  \_\_\_\_\_ feet

3. Perimeter = 37 meters



$s =$  \_\_\_\_\_ meters

4. Perimeter = 92 inches



$t =$  \_\_\_\_\_ inches

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### Problem Solving **REAL WORLD**

5. Steven has a rectangular rug with a perimeter of 16 feet. The width of the rug is 5 feet. What is the length of the rug?

\_\_\_\_\_

6. Kerstin has a square tile. The perimeter of the tile is 32 inches. What is the length of each side of the tile?

\_\_\_\_\_

**Lesson Check** (CC.3.MD.8)

- Jesse is putting a ribbon around a square frame. He uses 24 inches of ribbon. How long is each side of the frame?
  - (A) 4 inches
  - (B) 5 inches
  - (C) 6 inches
  - (D) 8 inches
- Davia draws a shape with 5 sides. Two sides are each 5 inches long. Two other sides are each 4 inches long. The perimeter of the shape is 27 inches. What is the length of the fifth side?
  - (A) 9 inches
  - (B) 13 inches
  - (C) 14 inches
  - (D) 18 inches

**Spiral Review** (CC.3.OA.1, CC.3.OA.8, CC.3.NF.3c, CC.3.MD.1)

- Which of the following represents  $7 + 7 + 7 + 7$ ? (Lesson 3.2)
  - (A)  $4 \times 4$
  - (B)  $4 \times 7$
  - (C)  $6 \times 7$
  - (D)  $7 \times 7$
- Bob bought 3 packs of model cars. He gave 4 cars to Ann. Bob has 11 cars left. How many model cars were in each pack? (Lesson 7.10)
  - (A) 18
  - (B) 11
  - (C) 7
  - (D) 5
- Randy looked at his watch when he started and finished reading. How long did Randy read? (Lesson 10.3)
- Which statement does the model represent? (Lesson 8.6)

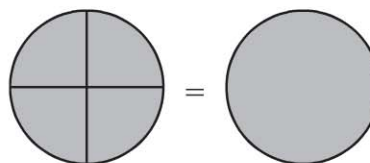


**Start**



**End**

- (A) 55 minutes
- (B) 45 minutes
- (C) 35 minutes
- (D) 15 minutes



- (A)  $\frac{4}{4} = 1$
- (B)  $\frac{3}{4} = 1$
- (C)  $\frac{2}{4} = 1$
- (D)  $\frac{1}{4} = 1$