

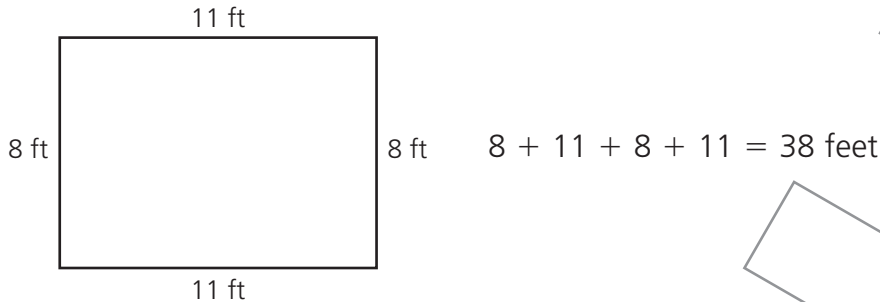
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LESSON 20 Perimeter: Customary Units

The **perimeter** of a shape is the distance around it. Perimeter can be measured in **customary units**.

To find the perimeter, add the lengths of the sides.



The perimeter of this rectangle is 38 feet.

The perimeter of a rectangle is twice the length plus twice the width.

$$P = 2 \times l + 2 \times w$$

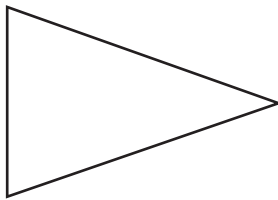
$$P = 2 \times 11 + 2 \times 8$$

$$P = 22 + 16$$

$$P = 38$$

Read each problem. Circle the letter of the best answer.

- 1  Use your inch ruler to help you solve this problem.



What is the perimeter of this triangle?

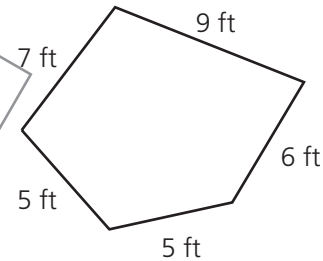
- A 3 inches C 4 inches
B $3\frac{1}{2}$ inches D $4\frac{1}{2}$ inches

Use your ruler to measure the sides of the triangle: 1 inch, $1\frac{1}{2}$ inches, and $1\frac{1}{2}$ inches. Add: $1 + 1\frac{1}{2} + 1\frac{1}{2} = 4$ inches. The correct answer is C.

- 2 Each side of a square garden measures 5 yards. What is the perimeter of the garden?

- A 10 yards C 20 yards
B 15 yards D 25 yards

- 3 What is the perimeter of this pentagon?



- A 31 feet
B 32 feet
C 33 feet
D 34 feet

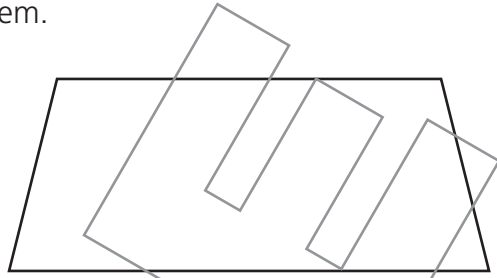
- 4 A painting is shaped like a rectangle 30 inches long and 20 inches wide. What is the perimeter of the painting?

- A 50 inches
B 70 inches
C 80 inches
D 100 inches

Read each problem. Write your answers.

5  Use your inch ruler to help you solve this problem.

A What is the perimeter of this shape?

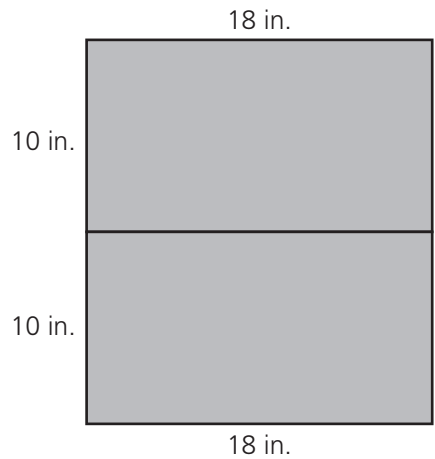


Answer: _____

B Explain how you found your answer.

6 The picture shows a window with two panes of glass. Each pane is a rectangle measuring 10 inches by 18 inches.

A What is the perimeter of each pane of glass?



Answer: _____

B What is the perimeter of the entire window?

Answer: _____

C Explain how you found your answer to part B.
