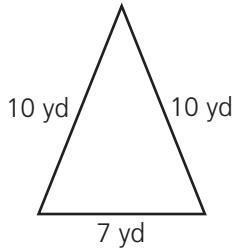


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# LESSON 17 Perimeter

The **perimeter** of a plane figure is the distance around it. To find the perimeter, add the lengths of all the sides.



$$10 + 10 + 7 = 27$$

The perimeter of this triangle is 27 yards.

Perimeter of a **square**:


$$P = 4 \times s$$

Perimeter of a **rectangle**:

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

If a geometric figure is **regular**, all its sides are the same length.

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

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

What is the perimeter of this rectangle?



- A 5 cm                      C 10 cm  
B 7 cm                      D 14 cm

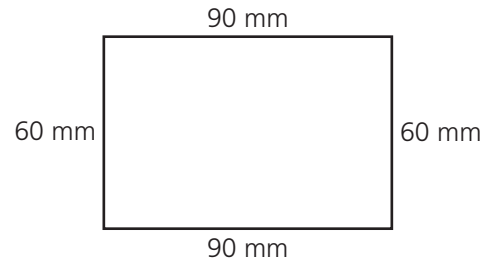
Measure each side of the rectangle. The length is 5 cm and the width is 2 cm. Multiply the length by 2 and the width by 2:  $5 \times 2 = 10$  and  $2 \times 2 = 4$ . Then add the results to find the perimeter:  $10 + 4 = 14$ . The correct answer is D.

- 2 What is the perimeter of this regular pentagon?



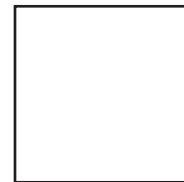
- A 12 feet                      C 49 feet  
B 35 feet                      D 70 feet

- 3 Which expression can be used to find the perimeter of this rectangle?



- A  $60 \times 90$   
B  $(2 + 60) \times (2 + 90)$   
C  $(2 \times 60) + (2 \times 90)$   
D  $(2 + 60) + (2 + 90)$

- 4 The perimeter of this square is 56 inches.



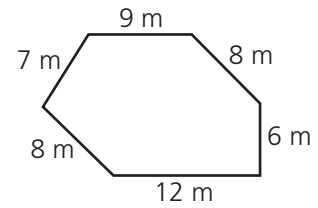
What is the length of a side of this square?

- A 7 inches                      C 14 inches  
B 9 inches                      D 17 inches

Read each problem. Write your answers.

5 Jaleel measured the side lengths on the shape at the right.

A What is the perimeter of this shape?



Answer: \_\_\_\_\_

B Explain how you found your answer.

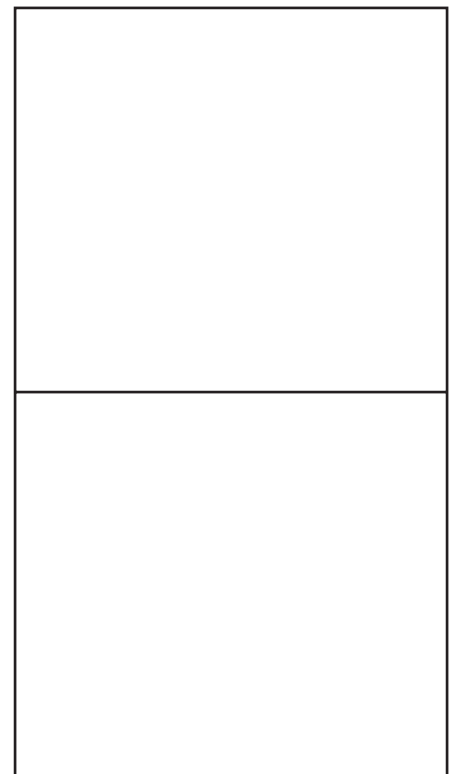
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6  Use your inch ruler to help you solve this problem.

A What is the perimeter of the whole figure?



Answer: \_\_\_\_\_

B Is this figure divided into two squares?

Answer: \_\_\_\_\_

C Explain how you know your answer to part B is correct.

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