Perimeter

Multiple Choice
Identify the choice that best completes the statement or answers the question.

Find the perimeter of the rectangle with length 80 inches and width 39 inches.

   3,120 in.   119 in.   238 in.   199 in.

Find the perimeter of a triangle with the following side lengths:
1.1, 2.5, and 4.9

   1.4   8.5

   6.7   4.3

Jon designs floor tiles. His latest design is shaped as a regular pentagon. Write a formula for the perimeter of the tile in terms of the length of a side. Evaluate the formula for the side length of 4 inches.

   $P = 5s$; 24 inches $P = 5 + s$; 9 inches

   $P = 5 + s$; 10 inches $P = 5s$; 20 inches

The diagram shows the dimensions of a triangular garden at the park. If another triangular garden spot is congruent to this triangle, what is the perimeter of the other garden?

34 ft   21 ft

31 ft

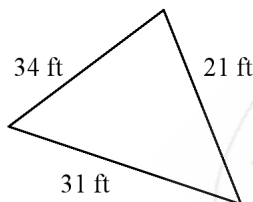Diagram not to scale.

   93 feet   86 feet   102 feet   63 feet

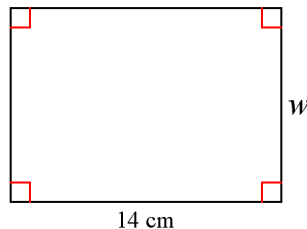The expression $11 + x + 18$ represents the perimeter of a triangle. Simplify the expression.

   40   29

   $29x$ $x + 29$

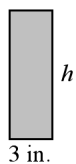Simplify an expression to find perimeter.

w

14 cm

   $14w$ $w + 28$

   $2w + 28$ $2w + 14$

Find the value for h. Perimeter = 24 in.

h

3 in.
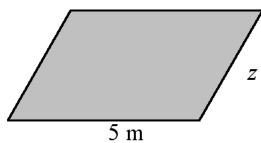
8 in.   10 in.

9 in.   6 in.

Find the value for z. Perimeter = 16 m

z

5 m

3 m   3.2 m

6 m   2 m

Find the value for x. Perimeter = 24 in.
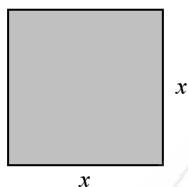
x

x
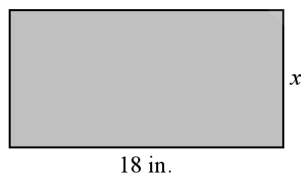
6 in.   18 in.

4 in.   12 in.

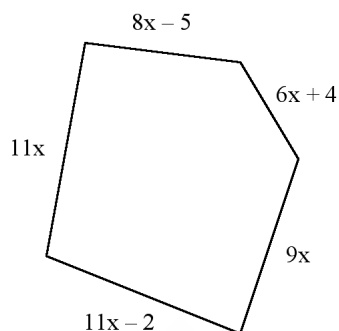Simplify an equation for the perimeter. Perimeter of rectangle: 52 in.

x

18 in.

$18x = 52$ $2x + 36 = 52$
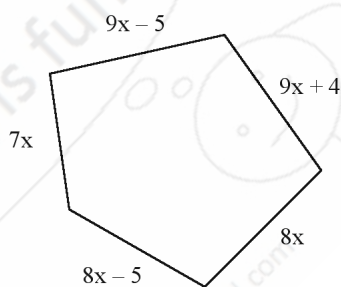
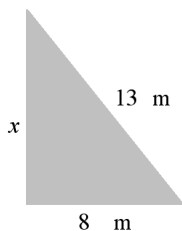$x + 18 = 52$ $36x = 52$

Short Answer

Simplify an expression for the perimeter.
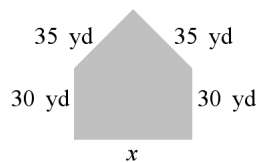
$8x - 5$

$6x + 4$

$11x$

$9x$

$11x - 2$

Simplify an expression for the perimeter.

$9x - 5$

$9x + 4$

$7x$

$8x$

$8x - 5$

Find the value of x. Perimeter = 31 m

13 m

x

8 m

Find the value of x. Perimeter = 180 yd

35 yd   35 yd

30 yd   30 yd

x

Perimeter
Answer Section

MULTIPLE CHOICE

    C
    C
    D
    B
    D
    B
    B
    A
    A
    C

SHORT ANSWER

    $45x - 3$
    $41x - 6$
    10 m
    50 yd