

1) Write an expression for the area of the rectangle.

$$A =$$

Write an expression for the perimeter of the rectangle.

$$P =$$

The length of the rectangle is 16. (The longer side of the rectangle is its length). Find x

$$x =$$

Use the previous value of x to find the area.

$$A =$$

Use the previous value of x to find the perimeter.

$$P =$$

2) Write an expression for the perimeter of the outer rectangle

$$8x + 12$$

$$P_{outer} =$$

Write an expression for the area of the outer rectangle

8

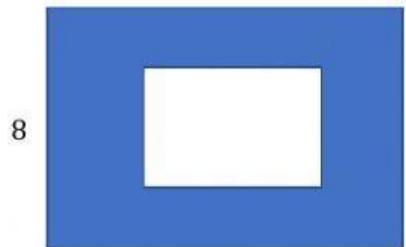
$$A_{outer} =$$

The area of the inner rectangle is a quarter of the area of the outer rectangle. Write an expression for the area of the inner rectangle

$$A_{inner} =$$

Write an expression for the area of the blue region.

$$A_{blue} =$$



3) Write an expression for the area for the green rectangle

$$A_{green} =$$

Write an expression for the area of the orange rectangle

$$A_{orange} =$$

Write an expression for the sum of the areas of the green and orange rectangles

$$A =$$

Write an expression for the perimeter of the green rectangle

$$P_{green} =$$

Write an expression for the perimeter of the orange rectangle

$$P_{orange} =$$

Write an expression for the perimeter of the whole shape (Be careful with this question!
It's asking for the perimeter of the whole shape, NOT $P_{orange} + P_{green}$).

$$P =$$

The area of the green rectangle is 56. Find x .

$$x =$$

Use the previous value of x to find the perimeter of the whole shape. (Be careful with this question! It's asking for the perimeter of the whole shape, NOT $P_{orange} + P_{green}$).

$$P =$$

