

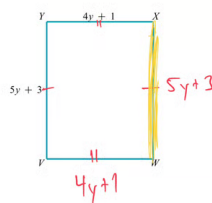
Algebra /

Finding a side length given the perimeter and side lengths with variables

Finding a side length given the perimeter and side lengths with variables

The perimeter of the rectangle below is 224 units. Find the length of side WX .

Write your answer without variables.



$$5(12) + 3$$

$$60 + 3$$

$$WX = \boxed{63}$$



$$5y + 3 + 5y + 3 + 4y + 1 + 4y + 1 = 224$$

$$18y + 8 = 224$$

$$18y = 216$$

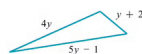
$$y = 12$$

$$y = 12$$

Note: The Solve feature is not available to stu

Finding a side length given the perimeter and side lengths with variables

The perimeter of the triangle below is 51 units. Find the value of y .



$$y = \boxed{5}$$



Perimeter = total distance around shape
 (add up all the sides)

$$4y + y + 2 + 5y - 1 = 51$$

$$10y + 1 = 51$$

$$10y = 50$$

$$y = 5$$

$$y = 5$$