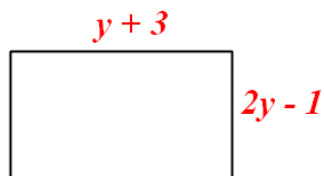


Applications of Linear Equations I

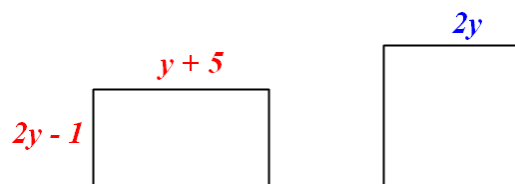
- If $3x = 147$ what else is true?
- If this magic square has a total of 15, what is the value of x ?
- If this is a magic square,
 - what is the value of x ?
 - what is the magic total?
- If the perimeter is 22 cm, what are the two sides?

$x-1$	$3x$	$x+1$
$2x+1$	$2x-1$	x
$2x$	$x-2$	$3x-1$

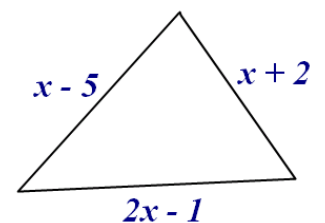
$5x-8$	$3x+3$	$2x$
$3x+1$	$2x+1$	$2x-1$
$3x$	$x-1$	$4x$



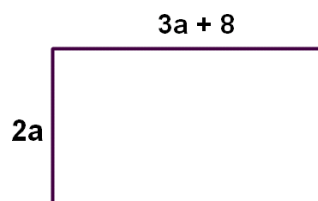
- If the square and the rectangle have the same perimeter, what is the value of y ?



- Write an expression for the perimeter of this triangle in terms of x .
 - If the perimeter is 72 cm, what is the value of x ?

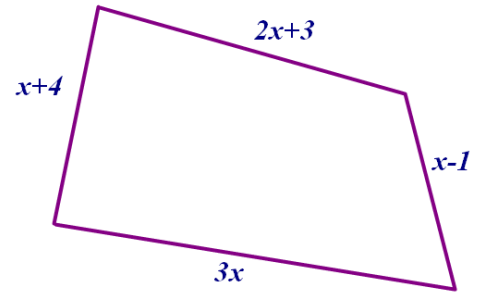


- If the perimeter is 48 cm, what is the value of a ?
 - If the length is double the width, what is the value of a ?

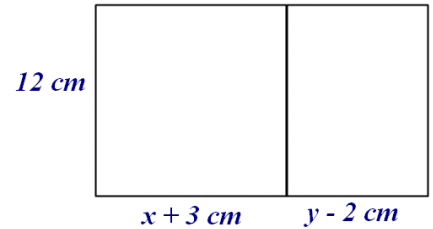


Applications of Linear Equations II

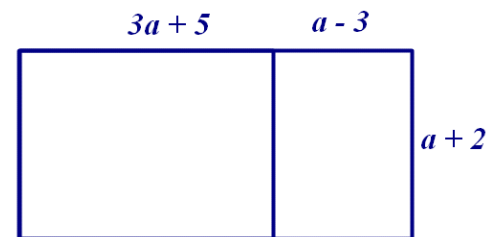
1.
 - a. If $x = 8$, what is the perimeter?
 - b. Write down an expression for the perimeter in terms of x .
 - c. If the perimeter is 34, what is x ?



2.
 - a. If the perimeter of the first rectangle is 56 cm, what is the value of x ?
 - b. If the perimeter of the second rectangle is 36 cm, what is the value of y ?




















3. The perimeter of the large rectangle is 3 times that of the small rectangle. What is the value of a ?



4. Which number equals its difference from 20?
5. Two more than half of it is one more than a third of it. What is it?
6. Magic Fruit

The magic puzzle below is made up of different fruits which have different values. When they are added together they give the totals shown. Can you find the missing total and the missing item in the grid?

				8
				18
				20
				23
	17	21	16	

