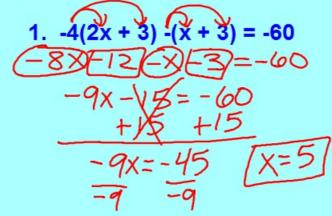
10/2/18



2. 
$$5x - 13 + 7 = 7x + 8 - 2x$$

 $\frac{-0-5x}{-6=8}$ 

3. (6) 
$$\frac{2}{3}x - \frac{(6)}{6} = \frac{1}{2}x + \frac{5}{6}$$
 (6)

-3x - 1 = 3x + 5 -3x - 3x + 5 x - 1 = 5 +1 + 1 x = 6

4.Translate and solve: Width Width Three more than 4 times a number is negative fourty five

$$3+4x=-45$$
 $-3$ 
 $4x=-48$ 
 $4=-12$ 
 $x=-12$ 

# DEFINE A VARIABLE

Use "LET STATEMENTS" to define your variable.



### **SET UP EQUATION & SOLVE**

Translate into an equation using using your let statements. Then solve!



### **DEFINE ANSWER**

Give exactly what the problem is asking for.

## Set : Finding Two Numbers

X= Smaller #1221 X+4= larger #1391 35+4

2X+4=74 X=70

2. The larger of two numbers is seven less than three times the smaller number. If the sum of the numbers is 61, find the numbers.

3. The larger of two humbers is one more than four times the smaller number. If the sum of the numbers is 106 find the numbers

X=Smaller # 21

4X+1 = 1 arger # 4(21)+1 85

 $\bigcirc (4) + (4) + 1) = 100$ 

5x+1=106

5x=105 5 5 X=21 = highest score on an Algebra test/wa (42) points more than the lowest. When added gether, the lowest and highest score was (154) Find both the highest and lowest score.

= lowest score [56] (X)+(X)+42)=154

142=highest score [98] (X)+(X)+42=154

2x+42=154

-42-42

2x=112

X=56

	uch money does Garrett have?	much money as Liz has. Together th	ey nave
		number of points that the Miami Do	
individually?	_	nts. How many did each team score	
		s in the bag. The orange skittles are aber of red and orange skittles in the	

SET 2: Perimeter of a rectangle

he length of a rectangle is six inches more than its width. If the perimeter of the rectangle is 24 inches, find its dimensions.

The length of a rectangle is five inches more than four times its width. If the perimeter the rectangle is 90 inches, find its dimensions.

The length of a rectangle is three centimeters less than twice its width. If the perimete the rectangle is 18 centimeters, find its dimensions.

The length of a rectangle is Dinches more than its width. If the perimeter of the rectang is Sinches, find its dimensions.

The length of a rectangle is five less than twice its width. If the perimeter of the rectang is Sinches, find its dimensions.

The length of a rectangle is five less than twice its width. If the perimeter of the rectang is Sinches, find its dimensions. 2w-5 w+7 w+7

v-5 = length 2(11)-5 = 17

# Set 3: Consecutive Numbers What does consecutive mean? One after another 15. If the sum of two consecutive numbers is 85, find the numbers. 16. Find two consecutive even numbers whose sum

19. The sum of three consecutive odd numbers is 57) What are the three numbers?

 $X = 1^{S+} \# 17$   $X+2 = 2^{nd} \# 19$  $X+4 = 3^{rd} \# 21$ 

(x)+(x+2)+(x+4)=57 3x+6=57 -6-6 3x=51x=17

20. The sum of three consecutive numbers is 33 more than the smallest of the numbers. Find the numbers.
21. In cross-country, the team score is determined by the place each individual runner finishes. (For example 1st place is one point, 16th place is 16 points, etc.) In their latest meet, the boys' cross-country team scored 55 points. If there were five runners on the team and each runner finished one after another, what places did they each come in?