1. You are given the simple interest formula I = Prt where I is the simple interest earned by principle p at an annual interest rate r over t years. You deposit \$250 in a bank account that pays an annual interest rate of 2%. How much simple interest will you earn after two years?

$$T=?$$
 $t=2^{1}/.=.02$ 
 $t=2^{1}/.=.02$ 
 $T=?$ 
 $T=250(.02)^{2}$ 
 $T=$10$ 

Perimeter:

Add all the sides

P=w+w+1+1

P= 2w+21

Average:

Add all the numbers & divide by the total.

Consecutive:

numbers next to each other ex; 2, 3, 4

15t - x

2nd = x + 1 3rd = x + 2

Consecutive Odd Numbers ex; 1,3,5,7...

15+ = X

2<sup>nd</sup> = X+2 3<sup>rd</sup> = X+4

Consecutive Even #

ex. 4,6,8,10,...

1s+ = x

2nd - x + 2

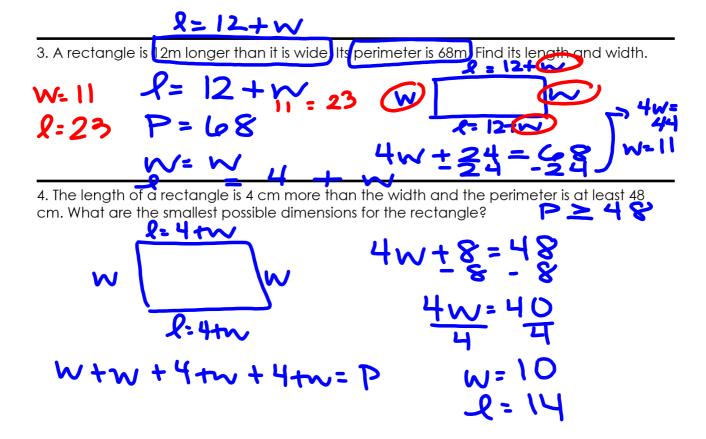
3rd = x + 4

1. The sum of 38 and twice a number is 124. Find the number.

2 ×

$$\frac{2x=86}{2}$$

2. The sum of two consecutive integers is **location** 83. Find the pair of integers with the greatest sum.



5. Find three consecutive integers whose sum is 171.

$$15^{+}= \times \times + 1 + \times + 2 = 171$$
  
 $2^{nd}= \times + 1$   
 $3^{rd}= \times + 2$   
 $3^{rd}= \times + 2$   
 $3^{rd}= \times + 2$   
 $3^{rd}= 16^{3}$   
 $3^{rd}= 16^{3}$ 

6. Find four consecutive even integers whose sum is 244.

8. There are three exams in a marking period. A student received grades of 75 and 81 on the first two exams. What grade must the student earn on the last exam to get an average of no less than 80 for the marking period?

$$\frac{75+81+x}{3} = 80$$

$$\frac{3}{3} \cdot \frac{156+x}{3} = 80 \cdot 3$$

$$\frac{156+x}{3} = 240$$

$$-156 = -154$$

$$x = 84$$