

Consecutive integers:

$$3,4,5,6,...$$

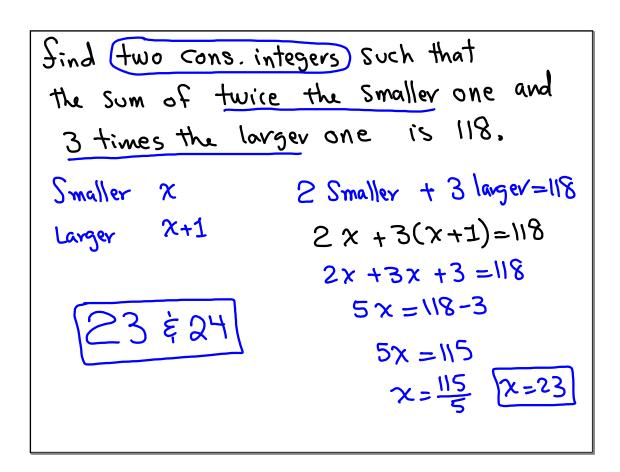
 $19,20,21,22,...$
 $-17,-16,-15,...$
Sind two cons. integers Such that
their Sum is 231.
 $x,x+1$
 $x+x+1=231$
 $2x+1=231$
 $2x+1=231$
 $2x=230$
 $2x=231-1$
 $2x=230$

The perimeter of a rectargle is 70 ft.

Length
$$\stackrel{?}{=}$$
 width ove two cons. integers.

Sind its dimensions.

 $2L + 2W = 70$
 $2(x+1) + 2(x) = 70$
 $2x + 2 + 2x = 70$
 $4x + 2 = 70$
 $4x = 68$
 $4x = 68$
 $x = 68$



Find two cons. integers such that

4 times the Smaller one is equal to

the difference of 158 and 5 times

the larger one.

Smaller
$$\chi$$

Larger χ +1

 χ =158-5 χ -5

 χ =153

 χ =153

 χ =153

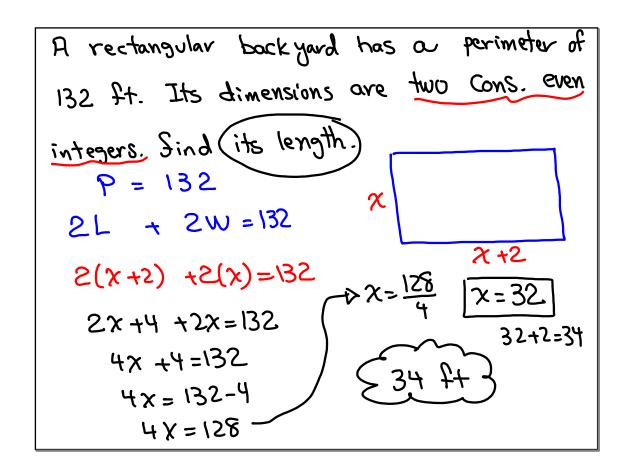
 χ =153

Three Sides of a triangle are three Cons. even integers.

Its perimeter is 90 inches.

Sind the longest Side.

Side 1: x P = 90Side 2: x+2 x+4Side 3: x+4 x+4 x+2=90 x+4 x+4 x+2=90 x+4 x+4 x+2=90 x=8 x=90-6 x=8 x=90-6 x=8



Find two cons. odd integers Such that

3 times the Smaller one is equal to

298 less than T times the larger one

$$\chi \in x+2$$
 $3\chi = 7(x+2) - 298$
 $3\chi = 7\chi + 14 - 298$
 $3\chi - 7\chi = -284$
 $-4\chi = -284$
 $\chi = \frac{-284}{-4}$
 $\chi = \frac{-284}{-4}$