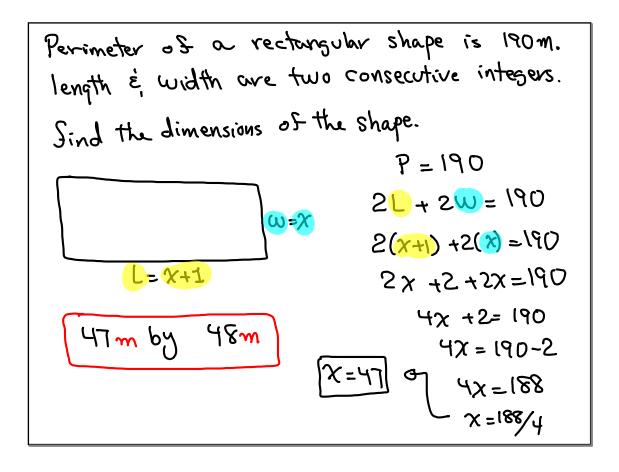
Math 107
Fall 2016
Lecture 10

Sind two consecutive integers such that

3 times the larger one is equal to

47 more than the smaller one.

$$x \in x + 1$$
 $y \in x + 1$
 $y \in$



Consecutive even integers:
$$(x)$$
, $x + 2$, $x + 4$,

Sind two consecutive even integers such

that twice the first decreased by (x)

15 equal to (x) more than the second one.

 (x) (x)

Find two consecutive even integers Such that

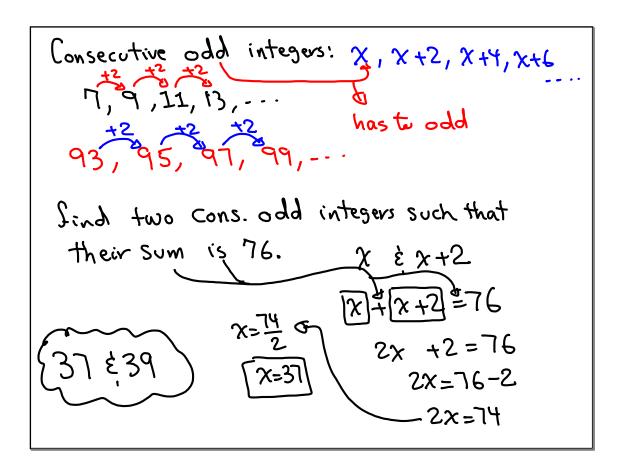
The difference between 4 times the Smaller one

and the larger one is 118

First
$$\rightarrow x$$

4 Smaller — larger = 118

Second $\rightarrow x+2$
 $4x - (x + 2) = 118$
 $4x - x - 2 = 118$
 $3x - 2 = 118$
 $3x = 118 + 2$
 $3x = 120 \rightarrow x = 40$



find two consecutive odd integers such that

55 less than twice the larger one is

equal to the smaller one.

$$2x - 51 = x$$

$$2x - x = 51$$

the perimeter of the shape below is 72cm.

All sides are 4 consecutive odd integers.

X+2

Sind the largest Side. * x has to be odd.

15+6=21 Sum of all 4 Sides=72

$$x + 6$$
 $x + x + 2 + x + 4 + x + 6 = 72$