## Math 107 Fall 2016 Lecture 12

Find two consecutive odd integers such that

the sum of Smaller one and twice the larger

one is 55.

$$x \notin x+2 \qquad Smaller + 2 | arger = 55$$

$$x + 2(x+2) = 55$$

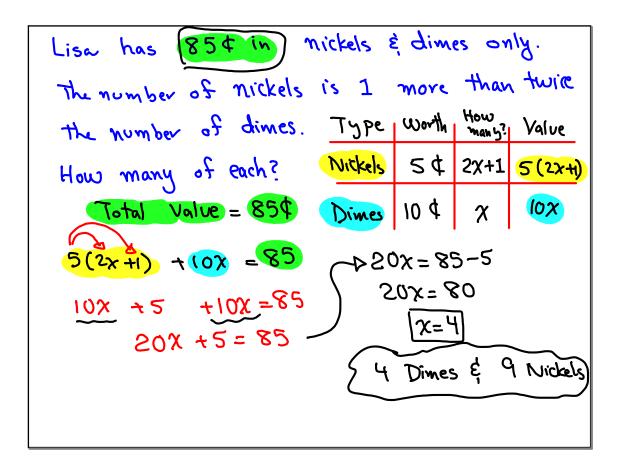
$$x + 2x + 4 = 55$$

$$3x + 4 = 55$$

$$3x = 55 - 4$$

$$3x = 51$$

$$x = \frac{51}{3} | x = 17$$



Mr. Flores Paid \$7.25 to buy Some HB & Some FF.

HB 
$$\rightarrow$$
 \$1.25, FF  $\rightarrow$  \$.75

He ordered 7 items in total. Find how many of each?

HB FF

1 7-1

2 7-2

 $\chi$  7-x

1.25 $\chi$  + .75(7- $\chi$ ) = 7.25

125 $\chi$  + .75(7- $\chi$ ) = 7.25

125 $\chi$  + .75 $\chi$  = 7.25

Jose has \$1.95 in nickels & Quarters only.

He has a total of 15 Coins.

How many of each?

Type work Howay Value

Nickels Quarters

Nickels 5 
$$\chi$$
 5 $\chi$ 

1 15-1

3 15-3

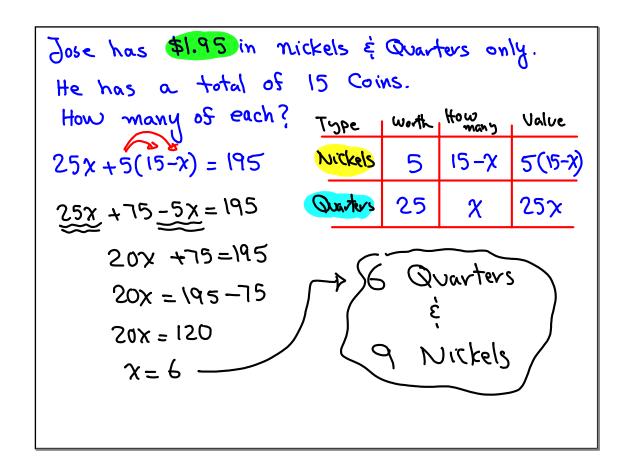
Quarters 25 15- $\chi$  25(15- $\chi$ )

T 15-7

 $\chi$  15- $\chi$ 

15- $\chi$ 

15- $\chi$ 
 $\chi = -\frac{180}{-20}$ 
 $\chi = -\frac{180}{-20}$ 



what is ahead?

Turn in any work.

Mixture