Math 107
Fall 2016
Lecture 6

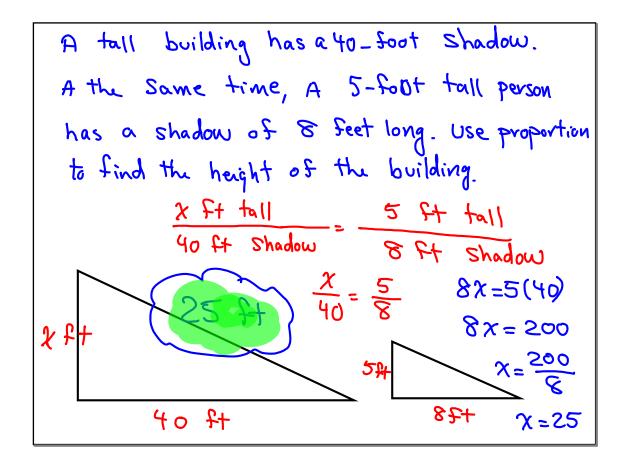
Translate only:

$$5 + imes$$
 the Sum of Some number and 1

is equal to 15 less than the number.

Let x be the number,

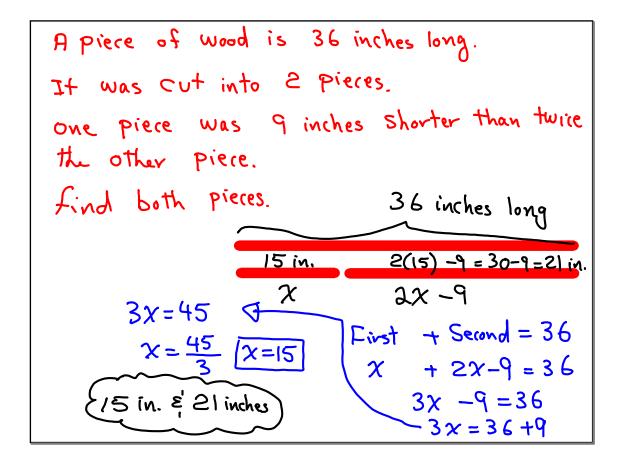
 $5(x+1) = x - 15$



There were 36 Students in the Classroom.

The number of Females was twice the number of males. How many of each?

Males $\rightarrow \chi$ $\rightarrow \chi$



John has 37 Coins. Nickels, Dimes, and Quarters.

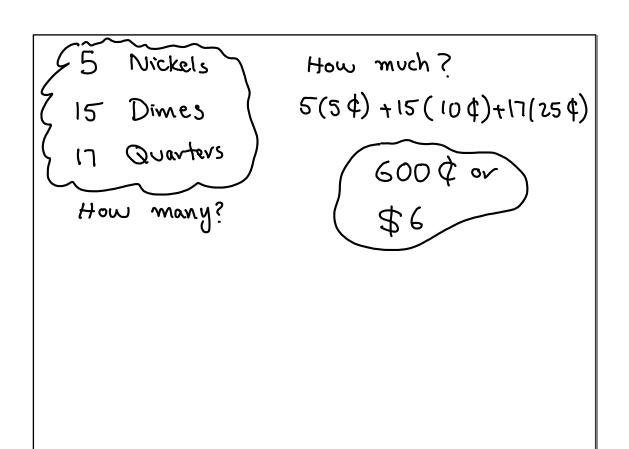
of Dimes is 3 times the # of nickels.

of Quarters is 7 more than Twice # of nickels.

1) How many of each does he have?

2) How much does he have? $\chi + 3\chi + 2\chi + 7 = 7$ Total is 37.

Nickels + Dimes + Quarters = 37 $6\chi + 7 = 37$ $\chi = 30\%$



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Lisa is taking Some 3 unit classes \hat{\xi}

Some 4 unit classes.

the number of 4 unit classes is 1 less

than the number of 3 unit classes.

She is taking 17 units. How many of

each?

3x + 4x - 4 = 17

7x = 17 + 4

7x = 21

7x = 21
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Soniar Paid $2.96 For Stamps.

She bought two types.

29 ¢ Stamp & 36 ¢ Stamp.

The number of 36 ¢ Stamp was I more than

# of 29 ¢ Stamp. How many of each did

She get?

29(x) + 36(x+1) = 296

29x + 36x + 36 = 296

36x +
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