<u>Applications of Linear Systems:</u> <u>Percent/Mixture Problems</u> (Chapter 1)

Assigned Work:

p. 27 # 7

p. 39 # 11

p. 55# 10, 12

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<u>Applications of Linear Systems:</u> Percent/Mixture Problems

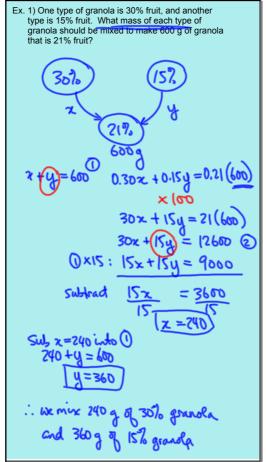
Sept 22/2011

Assigned Work: p. 27 # 7 p. 39 # 11 p. 55 # 10, 12

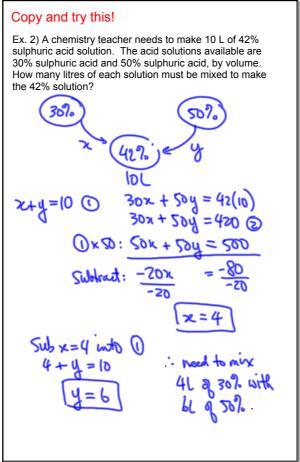
1. Percentages can be expressed as a fraction or a decimal.

 $25\% = \frac{25}{100} = 0.25$

- 2. Use the wording of the question to help you choose your unknowns (variables).
- 3. Make sure your units are consistent.



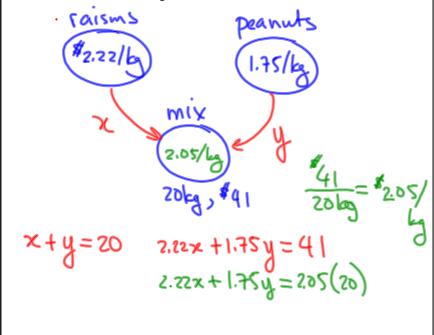
Feb 19-10:00 PM



Feb 19-10:00 PM

Try this!

Ex. 3) A candy store is preparing a mixture of chocolate raisins and chocolate peanuts. The raisins sell for \$2.22/kg and the peanuts for \$1.75/kg. How much of each type must be mixed to make 20 kg of a mixture that will sell for \$41?



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