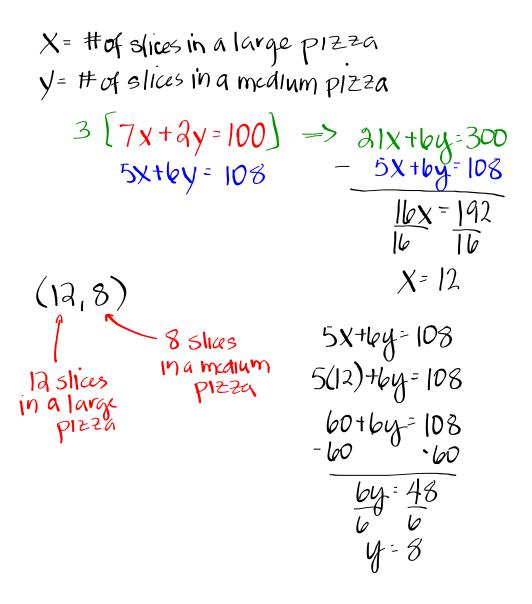
Warm Up

3/20

The special events club ordered a bunch of pizza for their year end party. They ordered 7 large pizzas and 2 medium pizzas and got 100 total slices.

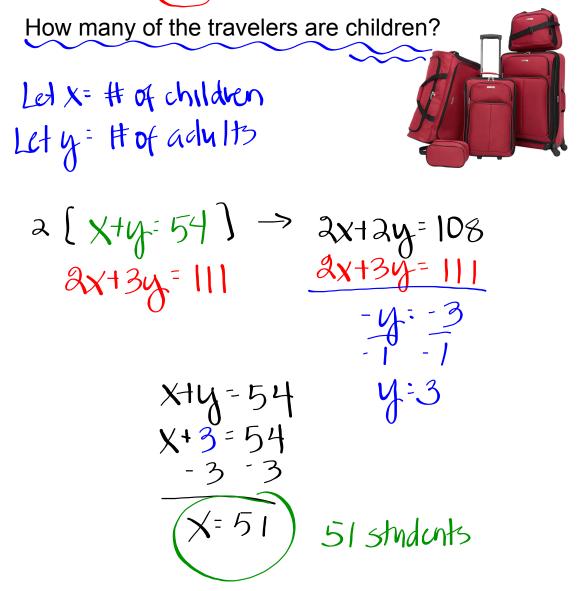
The softball team ordered 5 large and 6 medium for a total of 108 slices.

How many slices are there in each ⁴ size pizza?

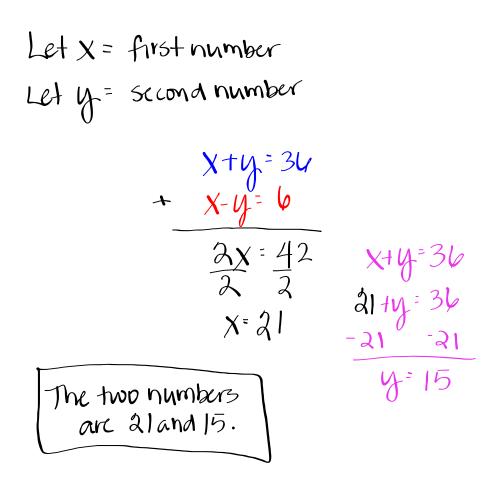


Lets solve some more real life problems

A group of 54 people is traveling by bus. Each child has 2 pieces of luggage and each adult has 3 pieces of luggage. The total number of pieces of luggage is 111.



The sum of two numbers is 36. Their difference is 6. Find the numbers.



You could also eliminate "x" by subtraction:

$$- \frac{X+y=36}{X-y=6}$$

$$- \frac{2y=30}{2}$$

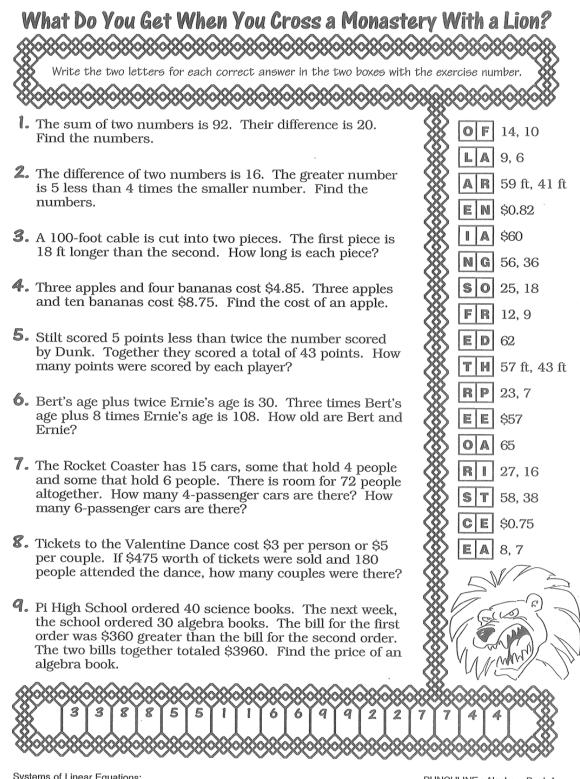
$$- \frac{2y=30}{2}$$

$$- \frac{2}{2}$$

$$- \frac{3}{2}$$

$$- \frac{3}{2}$$

$$- \frac{3}{2}$$



Systems of Linear Equations: Solving Problems Using Systems of Equations

PUNCHLINE • Algebra • Book A ©2006 Marcy Mathworks

8.4

Homework

Finish classwork