

## Warm Up

## Week 8

A store sold 28 pairs of cross-trainer shoes for a total of \$2220. Style A sold for \$70 per pair and Style B sold for \$90 per pair. How many of each style were sold?

$$70x + 90y = 2220$$

$$\rightarrow x + y = 28$$

$$x + 13 = 28$$

$$-13 \quad -13$$

$$x = 15$$

15 style A  
13 style B

$$\begin{array}{r} 70x + 90y = 2220 \\ -70x - 70y = -1960 \\ \hline 20y = 260 \\ \frac{20y}{20} = \frac{260}{20} \\ y = 13 \end{array}$$

$$70(15) + 90(13) = 2220$$

#122

\*If you have 3 money numbers

-write **Money Equation**

$$\$x + \$y = \text{Total } \$$$

-write **Amount Equation**

$$x + y = \text{Total } \#$$

-solve for both variables

\*Label your answers

$$x =$$

$$y =$$

\*If problem asks for **SAME** amount

-write equations in  $y = mx + b$  format

-set equations **EQUAL** to each other

-**Solve** for the ONE VARIABLE

*Same means set Equations =*

If not \$ Equation OR Same,

\*\*Need to find 2 different equations

(typically each sentence gives you an eqn)

~~\*~~if % you need to change into decimal

~~\*~~if money, change that into decimal

(ex: quarters = .25, dime = .10)

When Done... Turn in your Quiz

1) Missing Work

2) 7.4 HW

p.412 #18-26even

\* EC - Get Grade Report  
Signed + Turn in by Fri.