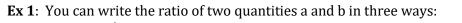
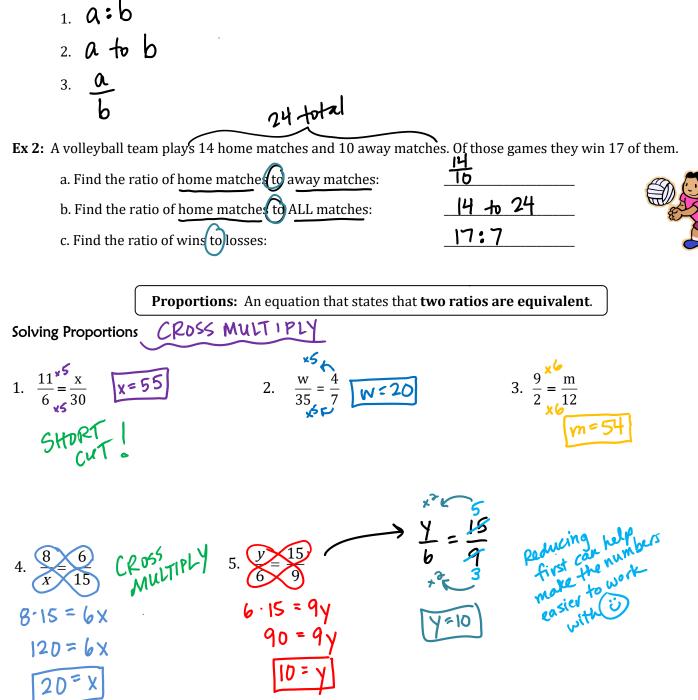


## **Ratios and Proportions**



Ratio: Uses division to compare two quantities.

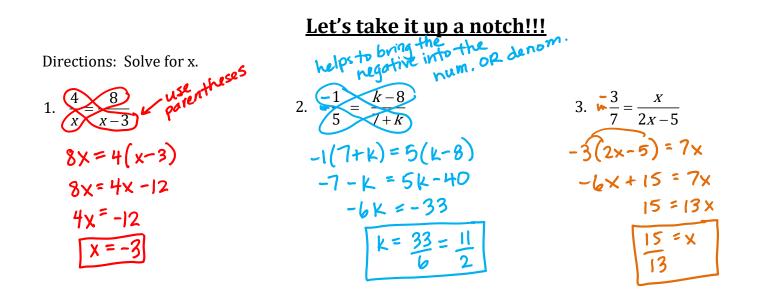




**Putting Phrases into proportions:** Write the sentence as a proportion. Then solve.

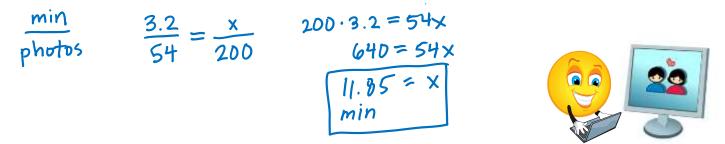
5

1. 5 is to 7 as y is to 49	2. y is to 20 as 9 is to 2
$\frac{5}{7} = \frac{y}{\mu a}$	$\frac{\gamma}{20} = \frac{9}{5}$
N=36	Y= 36



## **Proportion Word Problems**

1. It took 3.2 minutes to upload 54 digital photos from your computer to Facebook. At this rate, how long will it take to upload 200 photos? (Calculator allowed)



2. Each day, the seals at an aquarium are each fed 8 pounds of food for every 100 pounds of their body weight. A seal at the aquarium weights about 280 pounds!!! How much food should the seal be fed per day?

DOD

$$\frac{f_{00d}}{b_{0dy}} = \frac{8}{100} = \frac{x}{280} \qquad 100x = 3.280$$

$$100x = 2240$$

$$x = 22.41$$
of.