

WARM UP PROBLEM:

Olivia does the dishes 2 days of the week, and Samantha does the dishes the other 3 days. (Mom does it on the weekends.) Olivia's allowance is \$4 and Samantha's is \$6. Is this fair?

- a) Solve the problem using one strategy.
- b) Prove it - check your work using a second strategy.

Different Way to Write Ratios and Proportions

Compare to totals:

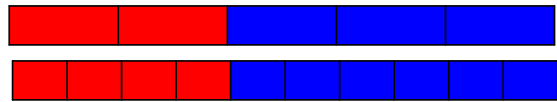
$$\frac{2}{5} = \frac{4}{10}$$

$$\frac{3}{5} = \frac{6}{10}$$

$$2:5 = 4:10$$

$$3:5 = 6:10$$

Olivia Sam



Shows:

$$\frac{2}{5} = \frac{4}{10}$$

$$\frac{3}{5} = \frac{6}{10}$$

Compare to each other

$$\frac{0}{5} = \frac{2}{3} = \frac{4}{6}$$

same as $2:3 = 4:6$

$$2:3:5 = 4:6:10$$

* combines
all ratios