

Multiplicative Comparison Study Guide

Katie weighed 8lbs at birth. At her 6-month check up, Katie weighed 16 lbs.

*To write a multiplicative comparison, the 2nd # needs to be a 1. This is called finding the value of the ratio.

To find Katie's weight now compared to her weight at birth using a multiplicative comparison:

Weight now: weight at birth

16: 8 * divide both by 8 to get the 2nd # to a 1.

2: 1

Write a statement about the comparison:

Katie is now 2 times heavier than she was at birth.

You can also change the order of the #'s in a ratio to find a different comparison.

Ex: A recipe calls for 2.5 times more flour than sugar. The # of cups of sugar is how many times the # of cups of flour?

Flour: Sugar

2.5: 1 *Now reverse the #'s

Sugar: Flour

1: 2.5 * Divide by 2.5 to get the 2nd # to a 1.

.4 : 1

Statement: The recipe uses .4 times as much sugar as flour.

Unit Rate Study Guide

*A rate is a type of ratio that uses different types of measures and usually written as a fraction.

Ex: \$3.50 for 2 bags of flour $\frac{\$3.50}{2 \text{ bags}}$

To turn this into a unit rate, make the 2nd # a 1!

$\frac{\$3.50}{2 \text{ bags}} = \frac{\$1.75}{1 \text{ bag}}$

You can change the order of the numbers, to get a different rate:

$$\frac{2 \text{ bags}}{\$3.50} = \frac{.57 \text{ bags}}{\$1}$$