



Dear Sixth Grade Families,

In Unit 6, students will work on the following sixth grade Common Core standards in the Ratios and Proportional Relationships (RP) domain.

6.RP.1	Understand the concept of a ratio and use ratio language to describe a ratio relationship between two quantities.
6.RP.2	Understanding the concept of a unit rate $\frac{a}{b}$ associated with a ratio $a:b$ with $b \neq 0$ , and use rate language in the context of a ratio relationship.
6.RP.3	Use ratio and rate reasoning to solve real world and mathematical problems.

**Unit 6 Concepts:**

- Understand ratios and rates
- Find and use unit rates to solve problems
- Find and use equivalent ratios
- Graph equivalent ratios
- Understand and use percentage
- Use measurement ratios to convert between the US customary and the metric systems

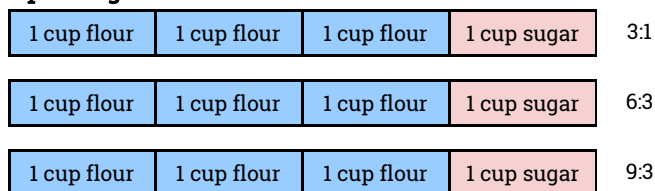
**Unit 6 Vocabulary:**

- Part-to-part ratio
- Part-to-whole ratio
- Part to one whole (unit rate)
- Rate
- Rate reasoning
- Multiplicative reasoning
- Ratio reasoning
- Equivalent ratios (tape diagram, double number line)
- Graphing: coordinate grid, ordered pairs
- Percent (percent bar)
- Measurement ratios
- Conversion

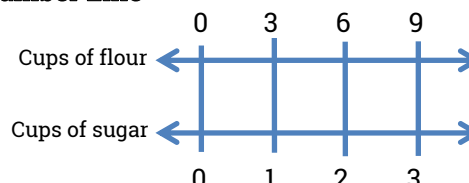
**Finding Equivalent Ratios**

A recipe calls for 3 cups of flour for every cup of sugar. How many cups of flour are needed for a batch that uses 3 cups of sugar?

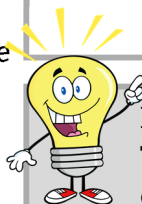
**Tape Diagram:**



**Double Number Line**



**If the recipe calls for 3 cups of sugar, there will be 9 cups of flour.**



Rates, ratios, and percentages are used daily. To help your sixth grader see how these concepts are applied in every-day life, include them in decisions about doubling or halving recipes, finding how much money is saved with a discount, calculating gas mileage, or how much of a tip to leave in a restaurant.

**Need a review?**

Have your student login to Swun Math to access lesson support videos.

We encourage you to talk with your child daily about what was learned in math class.  
Thank you for your support!