

## 6th Grade Math Stations: Number Sense - Fractions

**Learning objective:** Students will interpret and compute quotients of fractions. Students will further develop their mathematical vocabulary. Students will explore the relationship between multiplication and division with fractions.

**Station set up:**

- Students are grouped heterogeneously based on pre-assessment.
- Students complete stations 1 & 3 prior to stations 2 & 4 (set up duplicate stations if needed to ensure students visit 1&3 prior to 2&4).
- 20 minutes at each station.
- If students finish early, students can work on ["I Have It Fraction Division"](#) handout.

**Cue to switch:** Timer will sound out loud

**Technology needed:** Computer/iPad, access to Digits, & Schoology

<p><b>Station 1:</b></p> <p><b>Focus:</b> Vocabulary Builder &amp; Inverse &amp; Reciprocal Handout</p> <p>Students fill in a <a href="#">graphic organizer</a> with the vocabulary words:</p> <ul style="list-style-type: none"><li>• reciprocals</li><li>• inverse operations</li><li>• denominator</li><li>• quotient</li><li>• divisor</li><li>• dividend</li></ul> <p>Then students read through #1-4 on <a href="#">Intro to Inverses &amp; Reciprocals</a>, then answer #5&amp;6</p>	<p><b>Station 2:</b></p> <p><b>Focus:</b> Conceptual and visual exploration of division with fractions.</p> <p>Students use the manipulatives, Fraction Tower cubes, and complete the handout <a href="#">Dividing Whole Numbers by Fractions Part 1</a></p> <p>If there is time, students will complete <a href="#">Dividing Whole Numbers by Fractions Part 2</a>.</p>
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**Station 3:**

**Focus:** Explore division of fractions and whole numbers. Make a connection between multiplication and division of fractions.

Students complete online Digits 6-1 videos, and complete [the companion guide](#). Then, they begin the online HW G assignment.

**Station 4:**

**Focus:** Real life connection with fractions seen in recipes

Students collaboratively adapt [this recipe](#) to only make half of the recipe. Individually, each student inputs their answer within a Schoology assignment.

Then, independently, students select a recipe of their choice and choose to increase or decrease the amount of each ingredient listed. Students share their recipe and adjusted ingredient list on a discussion board within Schoology.

Students will follow up by peer reviewing a classmates' recipe and calculations either as homework or as an activity in class the next day.