

MP3b-Apply Understanding Of Division To Divide Fractions

Content Area: **Math**
Course(s): **Math 5**
Time Period: **Marking Period 3**
Length: **MP3 Topic 9 9-1 to 9-8**
Status: **Published**

Essential Questions

- How are fractions related to division?
- How can you divide whole numbers and unit fractions?

Big Ideas

- **Fractions and Division:** Students will learn that a fraction can be interpreted as the numerator divided by the denominator. They will find quotients that are fractions and extend this understanding to find quotients that are mixed numbers.
- **Divide Whole Numbers and Unit Fractions:** Students will use models and the relationship between multiplication and division to divide a whole number by a unit fraction. Students will use the meanings of division along with models to find quotients.
- **Word Problems Involving Fractions:** Students apply their knowledge of fraction division to solve real-world problems.

Enduring Understandings

Number and Operations—Fractions

5.NF.B.3 [M] Interpret a fraction as division of the numerator by the denominator ($a/b = a \div b$). Solve word problems involving division of whole numbers leading to answers in the form of fractions or mixed numbers, e.g., by using visual fraction models or equations to represent the problem.

5.NF.B.7a [M] Interpret division of a unit fraction by a non-zero whole number, and compute such quotients.

5.NF.B.7b [M] Interpret division of a whole number by a unit fraction, and compute such quotients.

5.NF.B.7c [M] Solve real world problems involving division of unit fractions by non-zero whole numbers and division of whole numbers by unit fractions, e.g., by using visual fraction models and equations to represent the problem.

Mathematical Practices Focus

8. Look for and express regularity in repeated reasoning