

Overview of Class #11

- Midterms
- Discuss individual assignment
- Division with fractions
- Wrap up -- discuss final

Midterm Grades

68 - 75 A

64 - 67 A-

60 - 63 B+

Problem #1

Calvin has 3 liters of soda. He wants to share the soda equally among 5 people.

- What fraction of a liter will each serving be?
- What fraction of all of the soda will each serving be?

Problem #2

Helen has 5 yards of ribbon and she wants to cut it into 8 equal strips.

- What fraction of a yard will each strip be?
- What fraction of all of the ribbon will each strip be?

What Are We Using the Bagel Problem for?

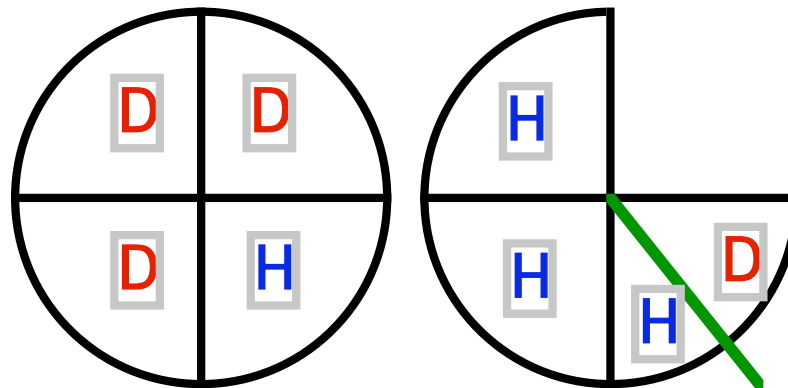
- To develop sense of connections between division and fractions
- To highlight the importance of the unit
- To develop skills with representation
- To map across representations
- To develop skills with giving mathematical explanations

Division of Fractions

$$1 \frac{3}{4} \div \frac{1}{2}$$

1. Calculate the answer.
2. Write a story problem, or describe a situation, that corresponds to $1 \frac{3}{4} \div \frac{1}{2}$.

I have two pizzas. My friend eats one quarter of one of the pizzas. I have one and three quarters pizzas left. Then I split it evenly between two of my other friends. Each person gets three and a half pieces of pizza.



1. What is wrong with this?
2. Write a story problem that correctly represents the division.

Comment Cards

Some things we're planning to return to tomorrow:

- dividing by 0
- proving numbers are infinite

What would you like to make sure we talk about tomorrow?

Final Exam

- In-class exam on Thursday
- Study guide
 - 13 questions in the study guide
 - Actual questions drawn exactly from these, or parts of these, but the numbers will vary
- Study Hall
 - Tuesday (today) from 4-6 pm
 - Wednesday (tomorrow) at lunch