

# The Common Denominator

A Family Math Newsletter

Pre-Algebra Unit 2: Ratios and Proportional Relationships

## Unit at a Glance

### Skills/ Topics:

- Recognize and represent proportional relationships.
- Identify the constant of proportionality in tables, graphs, diagrams, and verbal descriptions.
- Use proportional relationships to solve multi-step ratio and percent problems.



### Length:

45 minutes: 11 days; 90 minutes: 5.5 days

## Exploring Mathematics

### Math Mindset:

Fractions are a form of ratios. How do fractions relate? Is it a similar relationship to fractions?

### Math @ Home:

How much of a discount are you actually getting? Is a 5% discount on something a good value?



## Resource Toolkit

### HMH Resources

Module 4: Ratios and Proportionality pg. 111-136

Module 5: Proportions and Percents pg. 137-165

### Discovery ED Techbook Info

#### Grade 7

Ratios and Proportions Concepts 3.1, 3.2 and 3.3

Proportional Reasoning and Scale Concept 4.1

### Homework Help Section

#### [Open Up Resources](#)

Unit 2 All Lessons and Practice Problems

[Khan Academy- Constant of Proportionality](#)

[Khan Academy- Solve Proportions](#)

“Education is not the learning of facts but the training the mind to think.”

- Albert Einstein