

## The Common Denominator

### A Family Math Newsletter

#### Welcome to Math 6 Newsletters

The BCPS Office of Mathematics is happy to share Mathematics 6 Newsletters with our students and their families. The Newsletters are provided to help give parents and guardians insight into each Unit of the course. There are 4 sections in each Newsletter: Unit at a Glance, Resources, Exploring Mathematics, and a Quote. In this first edition, there is an explanation of each of the Newsletter sections included below the section name. There are seven units in the Math 6 course:

1. Numbers
2. Number Operations
3. Proportionality: Ratios and Rates
4. Equivalent Expressions
5. Equations and Inequalities
6. Geometry
7. Measurement and Data

Each unit will have its own Newsletter. While the Newsletters are meant to be informative, parents and guardians are encouraged to keep communication directly with their student's teacher

#### Unit at a Glance

The "Unit at a Glance" section is provided to give an overview of the specific topics and skills that students will be expected to learn in the unit. An estimated time frame is also



#### Exploring Mathematics

In the "Exploring Mathematics" section, connections are made between the math in the unit and practical applications. This can be an exploration of related careers, applications of the math to real-world problems, discussion prompts to have with your child, or information about growth mindsets. One of the best ways to support your child in math class is to have positive conversations about math. The prompts in this section are meant to help start some positive discussions surrounding the

#### Resources

##### Resource Toolkit

The "Resources" section has information about texts, videos, and practice problems that can benefit a student when working outside of the classroom. The first part of the "Resources" section lists three different locations where information and supports can be found: the physical text: Houghton Mifflin Harcourt, *Go Math Middle School Grade 6*, as well as the *Interactive Student Edition* and *Student Resources*. This resource and others such as Discovery Education, which are accessed through BCPSone Digital Content.

#### Homework Help Section

The *Homework Help* section references an item or two that are in the *Student Resources* portion of HMH that are the most beneficial for students in need of support outside of the classroom. Encourage your student to access these resources if they are having difficulty or confusion about a topic. If your student continues to have difficulty, encourage them to discuss with their teacher.

# The Common Denominator

## A Family Math Newsletter

### Math 6 Unit 1: Numbers

Unit at a Glance

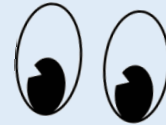


#### Skills/ Topics:

- Use the Solve-It problem solving strategy to solve real-world problems.
- Identify and locate rational numbers and their opposites on a number line.
- Compare and order integers and rational numbers.
- Identify opposites and the absolute value of rational numbers.
- Determine the greatest common factor (GCF) and least common multiple (LCM) of numbers.

#### Length:

- 45 minutes period: 26 days
- 90 minute period: 14.5 days



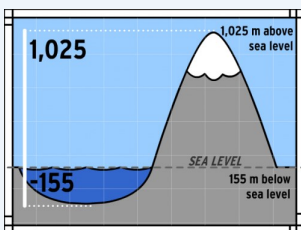
#### Exploring Mathematics

##### Math @ home:

Use the games below to play with your child at home to build fluency around integers and rational numbers.

⇒ [Integer War](#)

⇒ [Pac Man: Identifying integers](#)



#### Resource Toolkit

##### HMH Resources

Module 1: Integers pg. 3-26

Module 2: Factors and Multiples pg. 27-42

Module 3: Rational Numbers pg. 43-66

##### Discovery ED Techbook Info

Grade 6

Division, Factors and Multiples, Concept 2.1

Rational Numbers, Concept 5.1

##### Homework Help Section

Open Up Resources: [Integers](#), [Inequalities](#), [Coordinate Plane](#), [Factors and Multiples](#)

"Numbers rule the universe."

- Pythagoras c.550 B.C