



Avon Grove Charter School
Mathematical Skills
Grade Level: Sixth

AGCS uses Math in Focus as its primary elementary mathematics program. The purpose of this document is to provide an overview of the major concepts/skills at this grade level. Parents are the target audience of this resource, however students may also find it helpful as a skills checklist.

NUMBERS AND OPERATIONS

A student will be able to...

- Understand ratio concepts and use ratio reasoning to solve problems.
- Apply and extend previous understandings of multiplication and division to divide fractions by fractions.
- Identify and choose appropriate processes to compute fluently with multi-digit numbers.
- Develop and/or apply number theory concepts to find common factors and multiples.
- Apply and extend previous understandings of numbers to the system of rational numbers.

This content will appear in Math in Focus chapters 1, 2, 3, 4, 5, 6, and 9.

ALGEBRAIC CONCEPTS

A student will be able to...

- Apply and extend previous understandings of numerical expressions of arithmetic to algebraic expressions.
- Understand the process of a one variable equation or inequality and apply it to real world and mathematical problems.
- Represent and analyze quantitative relationships between dependent and independent variables.

This content will appear in Math in Focus chapters 7 and 8.

GEOMETRY

A student will be able to...

- Apply appropriate tools to solve real-world and mathematical problems involving area, surface area, and volume.

This content will appear in Math in Focus chapters 10 and 12.

MEASUREMENT, DATA, AND PROBABILITY

A student will be able to...

- Demonstrate an understanding of statistical variability by displaying, analyzing, and summarizing distributions.

This content will appear in Math in Focus chapters 13 and 14.