



Avon Grove Charter School
Mathematical Skills
Grade Level: Fifth

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...

- Apply place value to show an understanding of operations and rounding as they pertain to whole numbers and decimals.
- Extend understanding of operations with whole numbers to perform operations including decimals.
- Use the understanding of equivalency to add and subtract fractions.
- Apply/Extend previous understandings of multiplication and division to multiply and divide fractions.

This content will appear in Math in Focus chapters 1, 2, 3, 4, 7, 8, and 9.

ALGEBRAIC CONCEPTS

A student will be able to...

- Interpret and evaluate numerical expressions using order of operations.
- Analyze patterns and relationships using two rules.

This content will appear in Math in Focus chapter 5.

GEOMETRY

A student will be able to...

- Graph points in the first quadrant on the coordinate plane and interpret these points when solving real world and mathematical problems.
- Classify two-dimensional figures into categories based on an understanding of their properties.

This content will appear in Math in Focus chapters 6 and 13.

MEASUREMENT, DATA, AND PROBABILITY

A student will be able to...

- Solve problems using conversions within a given measurement system.
- Represent and interpret data using appropriate scale.
- Solve problems involving computation of fractions using information provided in a line plot.
- Apply concepts of volume to solve problems and relate volume to multiplication and to addition.

This content will appear in Math in Focus chapters 11 and 14.