



Avon Grove Charter School
Mathematical Skills
Grade Level: Fourth

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 concepts to show an understanding of multi-digit whole numbers.
- Use place value understanding and properties of operations to perform multi-digit arithmetic.
- Extend the understanding of fractions to show equivalence and ordering.
- Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.

This content will appear in Math in Focus chapters 1, 2, 6, and 7.

ALGEBRAIC CONCEPTS

A student will be able to...

- Represent and solve problems involving the four operations.
- Develop and/or apply number theory concepts to find factors and multiples.
- Generate and analyze patterns using one rule.

This content will appear in Math in Focus chapters 3, 7, and 8.

GEOMETRY

A student will be able to...

- Draw lines and angles and identify these in two-dimensional figures.
- Classify two-dimensional figures by properties of their lines and angles.
- Recognize symmetric shapes and draw lines of symmetry.

This content will appear in Math in Focus chapters 9, 10, 13, and 14.

MEASUREMENT, DATA, AND PROBABILITY

A student will be able to...

- Solve problems involving measurement and conversions from a larger unit to a smaller unit.
- Translate information from one type of data display to another.
- Represent and interpret data involving fractions using information provided in a line plot.
- Measure angles and use properties of adjacent angles to solve problems.

This content will appear in Math in Focus chapters 4, 11, and 12.