

6th Grade Math Curriculum Outline

*Here are the end goals curriculum to cover in 6th grade math for each academic year.

Keep in mind, this is an ideal. With school activities, unexpected weather, sometimes not every chapter is able to be covered. HOWEVER, what isn't covered in one year's curriculum is still reviewed and recovered in some form in the other middle school years so it WILL still be taught.

***Also**, while concepts are taught, reinforcement may be needed outside the school walls. With many concepts, there are steps involved and some students may need to review & study those steps outside of the classroom for sake of retention. If you have any questions, feel free to fast direct me for any further clarification.*

Chapter 1 & 2

- Adding & subtracting decimals
- Multiplying decimals
- Expressions and basic operations

Chapter 3

- Dividing decimals by 10, 100, etc. patterns
- Dividing decimals by .1, .01, etc. patterns
- General division of decimals

Chapter 4

- Expressions & basic order of operation
- Properties

Chapter 5

- Writing & Solving equations
- Writing & Solving inequalities

Chapter 6

- Prime Factorization
- Greatest Common Factors
- Least Common Multiples

Chapter 7/8

- Relating fractions with decimals
- Renaming fractions as decimals; relating decimals as fractions
- Adding & Subtracting expressions & equations with fractions
- Multiplying & Dividing fractions and mixed numbers
- Multiplying & Dividing expressions & equations with fractions

Chapter 9

- Integers & rational numbers
- Comparing & ordering numbers
- Rational numbers on a coordinate plane

Chapter 10

- Ratios
- Rates & unit rates
- Comparing unit rates

Chapter 11

- Relating fractions with %'s and decimals
- %'s greater than 100% and %'s less than 100%
- Finding the part, the percent, or the whole (of a number)

Chapter 12

- Converting customary & metric units
- Converting between customary & metric units

Chapter 13

- Relating equations with graphs

Chapter 14

- Perimeter of figures
- Area of parallelograms, triangles, and trapezoids
- Circumference and area of circles
- Area/Perimeter of complex/composite figures

Chapter 15

- Surface area of prisms and pyramids
- Volume of prisms

Chapter 16

- Measures of center (mean, medium, & mode)
- Measures of variation (range and interquartile range)
- Mean absolute deviation
- Other data analytics (clusters, gaps, outliers)

Chapter 17

- Dot plots, box plots (histograms), and histograms
- Circle graphs

