

Grade 6 Mathematics

Attached is a recommended list of concepts that students should have a proficient understanding of as they enter Grade 6 Mathematics in the fall. If they so choose, students may reinforce their knowledge of these concepts by practicing skills at [CliffsNotes](#), [Khan Academy - Math](#), [LearnZillion](#) or [Purple Math](#).

Concepts

- Understanding of place value (whole number and decimals)
- Round whole numbers and decimals to specified place values
- Multiplication facts
- Multiply multi-digit whole numbers
- Divide whole numbers (with remainders)
- Multiply and divide whole numbers by powers of 10 (10, 100, 1000)
- Add and subtract decimals
 - Line up decimal points to ensure that place values are aligned
- Multiply decimals
- Add and subtract fractions with like denominators
- Add and subtract fractions with unlike denominators
 - Write equivalent fractions with common denominators
- Graph points on a coordinate plane
- Find volume of right rectangular prisms with whole-number side lengths
- Classify two-dimensional figures based on their properties