

Third Grade Math Standards and Benchmarks

Standard 1: Acquire and use powerful, flexible and widely applicable skills in all areas of mathematics.

- M.03.01.01 Engage in tasks for which the solution method is not known in advance.
- M.03.01.02 Reason in a wide range of mathematical and applied settings.
- M.03.01.03 Share ideas and clarify understanding to learn mathematics and to communicate mathematically.
- M.03.01.04 Connect mathematical ideas to deepen understanding.
- M.03.01.05 Represent mathematical processes and products in multiple ways.

Standard 2: Understand and apply basic and advanced properties of the concepts of numbers.

- M.03.02.01 Understand the concept of place values of whole numbers through the ten thousands place (e.g., 1's, 10's, 100's, 1000's, 10,000's).
- M.03.02.02 Understand the concept of odd and even numbers.
- M.03.02.03 Understand decimals expressed through the hundredths place (e.g., in money).
- M.03.02.04a Understand the comparison of whole numbers (e.g., to a 1000).
- M.03.02.04b Understand the comparison of fractions (e.g., with denominators of 12 or less).
- M.03.02.04c Understand the comparison of commonly used decimals (e.g., monetary amounts).
- M.03.02.05 Count, read and write numbers from 1,000 to 999,999.

Standard 3: Use basic and advanced procedures while performing in the processes of computation.

- M.03.03.01 Use estimating strategies to the nearest 10 or 100,000.
- M.03.03.02 Understand when estimation is appropriate for a given problem.
- M.03.03.03 Develop concepts of multiplication and division through the use of different representations.

Standard 4: Understand and apply basic and advanced properties of the concepts of measurement.

- M.03.04.01 Tell time to the nearest minute, a.m. and p.m.
- M.03.04.02 Measure (perimeter) length, weight and volume to the nearest whole unit.

Standard 5: Understand and apply basic and advanced properties of the concepts of geometry.

- M.03.05.01 Identify plane figures and space figures: parallelogram, trapezoid, sphere and cube.
- M.03.05.02 Identify space relationships (symmetry, congruence).

Standard 6: Understand and apply basic and advanced concepts of statistics and data analysis.

- M.03.06.01 Collect and organize data into graphs (bar, line, pictographs, circle), tables and charts.
- M.03.06.02 Read and make simple inferences from data displayed in diagrams, charts, bar graphs and tables (e.g., generalize or draw simple conclusions).

Standard 7: Understand and apply basic and advanced concepts of probability.

- M.03.07.01 Understand that some events are sure to happen, some events are sure not to happen and some events may or may not happen.
- M.03.07.02 Understand that the word chance refers to the likelihood of an event.

Standard 8: Understand and apply basic and advanced properties of functions and algebra.

- M.03.08.01 Use a variety of methods and tools to represent patterns and relationships.
- M.03.08.02 Understand the concept of an equation (e.g., a number sentence that shows two quantities that are equal).