



3rd Grade Mathematics

A Guide to Understanding What Your Child Will Know at the End of Third Grade

Number Sense and Algebra

- Multiplication and division (to 9×9 and $81 \div 9$)
 - Represents multiplication and division with drawings, objects, and symbols
 - Solves and creates multiplication and division word problems of equal groups
 - Explains strategies to remember facts
 - Quickly recalls facts for multiplication and division with 2, 5, and 10
- Addition and subtraction (3 digit by 2 digit)
 - Solves addition and subtraction word problems involving change, comparison, and collection
 - Solves addition and subtraction equations and word problems in which the unknown number appears in a variety of positions
 - Adds and subtracts 2-3 digit numbers using an algorithm
- Fractions
 - Compares and orders fractions and mixed numbers
 - Determines equivalent fractions
- Data and Graphs
 - Collects, organizes, represents, and interprets data tables, tallies, picture graphs, and bar graphs

Geometry and Measurement

- Identifies and sketches various angles and lines
- Identifies and describes various quadrilaterals
- Uses pounds and grams to determine weight
- Uses ruler (inches, feet, and centimeters) to measure length
- Calculates and solves problems about the perimeter of quadrilaterals

Problem Solving and Reasoning

- Identifies the question asked in word problems
- Uses information given to solve word problems and answer questions
- Determines reasonableness of solutions to word problems
- Selects appropriate strategies to solve problems
- Solves non-routine problems

Communication

- Conveys answers to questions verbally and in written form as needed
- Describes verbally, pictorially, and/or in writing processes used to solve problems