

4th Grade Math

The New York State Common Core Learning Standards (CCLS) for Mathematics describe what your child should know and be able to do at each grade level. This section shows three areas of the standards that are most emphasized at this grade level.

Mathematics Common Core Domains with Emphasized Clusters

Operations and Algebraic Thinking

Number of Possible Points

Students use the four operations—addition, subtraction, multiplication, and division to solve problems, including solving multistep word problems. Students solve problems using drawings and equations with a symbol for an unknown quantity and interpret remainders. Students also factor whole numbers between 1–100 as well as generate number or shape patterns that follow a given rule.

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Number and Operations in Base Ten

Students generalize place-value understanding for multi-digit whole numbers, recognizing that in a multi-digit whole number a digit in one place represents ten times what it represents in the place to its right. Students read and write multi-digit whole numbers using base-ten numerals, number names, and expanded form, and use place-value understanding to round multi-digit whole numbers to any place.

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Number and Operations - Fractions

Students find equivalent fractions and compare fractions with the same denominator and with different denominators. Students add and subtract fractions and mixed numbers, multiply a fraction by a whole number, and multiply a fraction by another fraction. Students also solve word problems involving fractions.

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