

GRADE 4 MATH

By the time children begin learning fourth grade mathematics, they should be able to complete equations in a timely manner. It's important that your child not rush through the lessons, but know when it is appropriate to skip steps and come to the correct answer. Throughout fourth grade, you will check off the following topics.

MULTIPLICATION & DIVISION

- Solve word problems requiring multiple steps and calculations using addition, subtraction, multiplication and division
- Add and subtract multiple-digit numbers
- Multiply four-digit numbers by single-digit numbers
- Multiply two double-digit numbers by each other
- Understand and solve equations that have remainders

PATTERNS, GRAPHS & SHAPES

- Recognize and understand patterns within a sequence of numbers
- Use patterns to determine the missing number in a set
- Create line plots, graphs, tables and charts
- Use graphs to represent data and answer word problems
- Measure the angles of shapes like triangles

NUMBERS & FRACTIONS

- Read and write multi-digit numbers in expanded forms, for example 4,538 is recognized as four thousands, five hundreds, 3 tens and 8 ones
- Compare fractions to one another based on size, knowing that $\frac{1}{2}$ is larger than $\frac{1}{4}$
- Add and subtract fractions in equations and word problems
- Translate a fraction into decimal form
- Compare multi-digit numbers using $<$ and $>$ symbols
- Round multi-digit numbers to any place

WORD PROBLEMS

- Measure time, distance, size, money, area and perimeter in order to solve word problems
- Use knowledge and estimation to solve word problems without actually completing any written work
- Explain strategy for solving word problems and equations both verbally and through writing
- Solve conversion problems, such as those that require knowing the number of inches in a foot



In order to advance your child's fourth grade skills in math, you may want to have him/her create word problems and equations for you to solve. This can help to promote a complete understanding of the concepts.