

GRADE 5 MATH

In fifth grade math, your child will put previously learned skills to use in figuring out how to work with formulas that involve both fractions and decimals. Parents can feel confident that their children have mastered the appropriate skills by checking off the following items.

NUMBER BASICS

- Use parentheses and equations to solve equations, understanding the order of operations - exponents, roots, multiplication, division, addition and finally subtraction
- Write and interpret numerical expressions, such as $(4 \times 2) - 10$
- Analyze patterns and relationships between corresponding terms, like ordered pairs
- Understand the place value system
- Perform operations of addition, subtraction, multiplication and division with multi-digit whole numbers and decimals to hundredths

FRACTIONS & DECIMALS

- Add, subtract, multiply and divide fractions
- Round decimals to the appropriate place
- Convert similar measurement units
- Represent and interpret presented data
- Round decimals accordingly
- Graph points and fractions on a coordinate plane

FORMULAS & MEASUREMENTS

- Use multiplication to find the area of different shapes with the necessary formula
- Recognize qualities and different categories of two-dimensional shapes, such as polygons, triangles and quadrilaterals
- Understand volume and relate it to multiplication and addition
- Measure distance, time, size, money and perimeter with whole numbers, fractions and decimals
- Use appropriate tools - like rulers, money and visual aids - for problem solving
- Model with mathematics

PATTERNS

- Complete word problems with addition, subtraction, multiplication and division
- Classify two-dimensional figures based on properties and categories
- Reason abstractly and quantitatively when solving word problems, and being able to use previous knowledge to guess answers
- Understand the order of operations through the use of parentheses and brackets in equations
- Follow patterns and sets by recognizing guidelines



This knowledge is useful for everyday life and necessary for a successful math career in the coming years. Fifth grade math will provide your child with a positive foundation for both geometric and algebraic thinking in future lessons.