

# Report Card Guide

## Grade 5 Mathematics

### Trimester 1

Dear Parents:

This report card reflects your child's performance in many key concept areas that were addressed in the **first trimester**. Since the mathematical focus changes and develops as we continue through the school year, this guide has been developed to inform you of **the specific skills and concepts assessed this trimester**. Your child's performance level is based on his or her level of achievement in the skills and concepts identified for the first trimester.

#### NUMBER AND OPERATIONS IN BASE TEN

Applies place value concepts to decimals and whole numbers

- Applies place value concepts to multiply multi-digit whole numbers
- Applies place value concepts to determine whole number quotients of whole numbers

Solves problems and computes accurately with multi-digit whole numbers

- Multiplies multi-digit whole numbers
- Determines whole number quotients of whole numbers

Represents and solves problems (including multi-step) involving the four operations

#### OPERATIONS AND ALGEBRAIC THINKING

Writes and interprets numerical expressions

- Writes simple expressions that model calculations with numbers and interpret numerical expression without evaluating them
  - Example 1: Express the calculation "add 8 and 7, then multiply by 2" as  $2 \times (8 + 7)$
  - Example 2: Recognize that  $3 \times (18,932 + 921)$  is three times as large as  $18,932 + 921$  without having to calculate the indicated sum or product

Evaluates numerical expressions using order of operations

- Uses multiple grouping symbols (parentheses, brackets, or braces) in numerical expressions and evaluate expressions containing these symbols

#### NUMBER AND OPERATIONS – FRACTIONS

Solves problems involving addition and subtraction of fractions and mixed numbers with unlike denominators

- Adds and subtracts fractions with unlike denominators

#### MEASUREMENT AND DATA

Applies concepts of volume to solve problems

- Applies the formulas  $V = l \times w \times h$  and  $V = B \times h$  for rectangular prisms to find volumes of right rectangular prisms with whole-number edge lengths in the context of solving real-world and mathematical problems
- Finds volumes of solid figures composed of two non-overlapping right rectangular prisms