

FIFTH GRADE: REPORT CARD COMPANION DOCUMENT

MATHEMATICS

NUMBER SENSE

Relative Magnitude of Numbers

- _____ Round very large and very small numbers.
- _____ Find and compute percent.
- _____ Compute positive integer powers.
- _____ Determine prime factors of numbers to 50.
- _____ Order decimals, fractions, positive and negative numbers.

Computation

- _____ Compute decimals, negative integers, etc.
- _____ Divide by multi-digit divisor/decimals.
- _____ Add and subtract fractions and mixed numbers.
- _____ Understand how to multiply and divide fractions.
- _____ Multiply and divide fractions.

ALGEBRA AND FUNCTIONS

Simple Expressions

- _____ Use graphs/equations to answer questions.
- _____ Write/evaluate simple algebraic expressions.
- _____ Use the distributive property.
- _____ Identify and graph ordered pairs.
- _____ Use linear functions with integer values

MEASUREMENT AND GEOMETRY

Area and Volume

- _____ Compare formulas of geometric shapes.
- _____ Compute surface area of cube, etc.
- _____ Compute volume of rectangular solid.
- _____ Measure 2- and 3-dimensional objects

Geometry

- _____ Draw angles, lines, shapes with tools.
- _____ Know the sum of the angles of shapes.
- _____ Draw 3-dimensional objects.

STATISTICS, DATA ANALYSIS, AND PROBABILITY

Data

- _____ Compute mean, medium, and mode.
- _____ Organize/display single-variable data.
- _____ Compare data sets with fractions/percent.
- _____ Identify and interpret data from a graph.
- _____ Write ordered pairs correctly.

MATHEMATICAL REASONING

Make Decisions about a Problem

- _____ Identify relationships in problems.
- _____ Know when/how to break problems into parts.

Solve Problems/Justify Reasoning

- _____ Use estimation to verify results.
- _____ Apply strategies to complex problems.
- _____ Use methods to explain math reasoning.
- _____ Express solutions clearly.
- _____ Know advantage of exact/approximate results.
- _____ Make precise calculations and verify.

Make Connections

- _____ Evaluate reasonableness of a result.
- _____ Note methods of deriving a solution.
- _____ Develop generalization of the result.