Guilford County Schools Fifth Grade Math Assessment Card

Student Name Kevin H... Teacher's Name M... School ... Year 07/08

The boldfaced box represents the quarter the objective is formally assessed. Continuous reteaching and assessment occurs for all objectives below level 3.

Numbers and Operations

1.01 [4] [ ] [ ] [ ]
Develop number sense for rational numbers 0.001 through 999,999
a) Connect model, number word, and number using a variety of representations.
b) Build understanding of place value (thousandths through hundred thousands).
c) Compare and order rational numbers.
d) Make estimates of rational numbers in appropriate situations.

1.02 [ ] [ ] [ ] [ ]
Develop fluency in adding and subtracting non-negative rational numbers (halves, fourths, eighths; thirds, sixths, twelfths; fifths, tenths, hundredths, thousandths; mixed numbers).
a) Develop and analyze strategies for adding and subtracting numbers.
b) Estimate sums and differences.
c) Judge the reasonableness of solutions.

1.03 [3] [ ] [ ] [ ]
Develop flexibility in solving problems by selecting strategies and using mental computation, estimation, calculators or computers, and paper and pencil.

Measurement

2.01 [4] [ ] [ ] [ ]
Estimate the measure of an object in one system given the measure of that object in another system.

2.02 [ ] [ ] [ ] [ ]
Identify, estimate, and measure the angles of plane figures using appropriate tools.

Geometry

3.01 [4] [ ] [ ] [ ]
Identify, define, describe, and accurately represent triangles, quadrilaterals, and other polygons.

3.02 [ ] [ ] [ ] [ ]
Make and test conjectures about polygons involving:
a) Sum of the measures of interior angles.
b) Lengths of sides and diagonals.
c) Parallelism and perpendicularity of sides and diagonals.

3.03 [2] [ ] [ ] [ ]
Classify plane figures according to types of symmetry (line, rotational).

Geometry

3.04 [ ] [ ] [ ] [ ]
Solve problems involving the properties of triangles, quadrilaterals, and other polygons.
a) Sum of the measures of interior angles.
b) Lengths of sides and diagonals.
c) Parallelism and perpendicularity of sides and diagonals.

Data Analysis & Probability

4.01 [4] [ ] [ ] [ ]
Collect, organize, analyze, and display data (including stem-and-leaf plots) to solve problems.

4.02 [ ] [ ] [ ] [ ]
Compare and contrast different representations of the same data; discuss the effectiveness of each representation.

4.03 [ ] [ ] [ ] [ ]
Solve problems with data from a single set or multiple sets of data using median, range, and mode.

Algebra

5.01 [3] [ ] [ ] [ ]
Describe, extend, and generalize numeric and geometric patterns using tables, graphs, words, and symbols.

5.02 [ ] [ ] [ ] [ ]
Use algebraic expressions, patterns, and one-step equations and inequalities to solve problems.

5.03 [ ] [ ] [ ] [ ]
Identify, describe, and analyze situations with constant or varying rates of change.

Description of Achievement Levels

Level 4	Level 3	Level 2	Level 1
Student consistently performs grade level requirements/expectations; and works independently on tasks that are at a higher level of difficulty.	Student demonstrates mastery of grade level concepts and skills.	Student is inconsistent in demonstration of mastery of knowledge and skills on grade level.	Student does not exhibit sufficient mastery of on-grade level knowledge and skills to successfully complete most assignments.