2nd Grade Math

Purpose

The rubrics provide a guide to teachers on how to mark students. This helps with consistency across teachers, although all grading involves some subjectivity. In addition to this broad look, more valuable ongoing assessments are utilized to provide detailed data regarding student progress.

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2nd Grade Math

Statement	Exceeds	Secure	Developing	Beginning
Fluently adds	Efficiently and effectively adds beyond 20 using mental strategies.	Efficiently and effectively adds within 20 using mental strategies. (rate, accuracy, strategy)	Adds within 20 using manipulatives and mental strategies.	Adds within 20 using manipulatives.
Fluently subtracts	Efficiently and effectively subtracts beyond 20 using mental strategies.	Efficiently and effectively subtracts within 20 using mental strategies. (rate, accuracy, strategy)	Subtracts within 20 using manipulatives and mental strategies.	Subtracts within 20 using manipulatives.
Solves multiplication problems	Justifies answers to multiplication problems and uses mental strategies fluently.	Justifies answers to multiplication problems. Begins to use mental strategies.	Justifies answers to multiplication problems.	Solves multiplication problems with teacher support.
Understands and uses place value	Shows understanding of place value beyond 1,000 in a variety of ways.	Shows understanding of place value within 1,000 in a variety of ways.	Shows understanding of place value within 1,000 in a variety of concrete ways.	Shows understanding of place value within 100, using concrete strategies.
Applies place value to solve multi-digit addition and subtraction problems	Flexibly moves between strategies to solve multi-digit addition and subtraction strategies.	Uses an abstract strategy to solve addition and subtraction problems within 100 and uses a concrete model within 1000.	Uses a semi-concrete strategy to solve multi-digit addition and subtraction problems.	Uses a concrete strategy to solve multi-digit addition and subtraction problems.
Solves word problems using addition and subtraction	Solves a variety of one and two-step word problems within 1000.	Solves a variety of one and two-step word problems within 100.	Solves a variety of one-step word problems within 100.	Solves a story problem of a simple structure.
Solves word problems involving money	Solves making-change word problems beyond $1.00.	Solves word problems using coin combinations beyond $1.00 using $ and cents symbols appropriately. Solves making change word problems within $1.00.	Solves word problems using coin combinations and exchanges within $1.00 involving quarters, dimes, nickels, and pennies and using $ and cents symbols appropriately.	Counts combinations and exchanges quarters, dimes, nickels, and pennies.

Tells and writes time	Reads, writes, and shows the time, including AM and PM, to the minute mark and demonstrates an understanding of elapsed time.	Reads, writes, and shows the time, including AM and PM, to the five minute mark.	Reads, writes, and shows the time, including AM and PM, to the fifteen minute mark.	Reads, writes, and shows the time, including AM and PM, to the half-hour mark.
Creates and analyzes data in various graphs	Generates, creates, organizes, represents and interprets a scaled picture graph and a scaled bar graph to represent a data set with several categories. Solves one- and two-step "how many more" and "how many less" problems using information presented in scaled bar graphs.	Generates, creates, organizes, represents, and interprets data with up to four categories; solves simple adding (put together), subtracting (take apart) and compares problems.	Labels graph and plots given data. Answers comparison questions.	Plots given data on a labeled graph and answers simple "How many?" questions.
Identifies, describes and reasons with shapes and their attributes	Partitions 2-D shapes into same size squares to find estimated area.	Identifies 2-D and 3-D shapes and justify defining attributes. Partitions a rectangle into same size squares to find area.	Identifies 2-D and 3-D shapes.	Identifies some 2-D and 3-D shapes.
Measures and estimates lengths in standard units	Applies all secure skills while measuring to the nearest fractional unit.	Estimates lengths, measures to the nearest whole unit, uses different units to compare the length of the same object, and describes how the measurements relate to the size of the units.	Selects the appropriate measurement tool and accurately measures to the nearest whole unit.	Selects the appropriate measurement tool and inconsistently measures to the nearest whole unit.
Partitions shapes into equal shares	Identifies, produces, and reasons partitioned shapes in halves, thirds, fourths, sixths and eighths.	Identifies, produces, and reasons partitioned shapes of equal parts.	Identifies and produces partitioned shapes of equal parts.	Identifies or produces partitioned shapes of equal parts given a fraction.

The asterisk (*) denotes one possible way a student could demonstrate enrichment or extension that would be designated as Exceeds Standard.