

2nd Grade: Math

Student Name:

General Standard	Sub-Standard	Standard Notation	Standard Description	August 2010	September 2010	October 2010	November 2010	December 2010	January 2011	February 2011	March 2011	April 2011	May 2011	
NUMBER SENSE (NS)	1.0 Numbers up to 1,000	2.NS.1.1	Count, read, and write whole numbers to 1,000 & ID the place value for each digit											
		2.NS.1.2	Use words, models, and expanded forms to represent numbers to 1,000											
		2.NS.1.3	Order and compare whole numbers to 1,000 by using the symbols $<$, $=$, $>$											
	2.0 Add and subtract two- & three-digit numbers	2.NA.2.1	Understand and use the inverse relationship between addition and subtraction											
		2.NS.2.2	Find the sum or difference of two whole numbers up to three digits long											
		2.NS.2.3	Use mental arithmetic to find the sum or difference of two-two-digit numbers											
	3.0 Multiplication and Division	2.NS.3.1	Use repeated addition, arrays, and counting by multiples to do multiplication											
		2.NS.3.2	Use repeated subtraction, equal sharing, and forming equal groups with remainders to do division											
		2.NS.3.3	Know the mult. tables of 2s, 5s, and 10s (to times 10) and commit them to memory											
	4.0 Fractions and Decimals	2.NS.4.1	Recognize, name, and compare unit fractions from $1/12$ to $1/2$											
		2.NS.4.2	Recognize fractions of a whole and parts of a group (e.g., $1/4$ of a pie)											
		2.NS.4.3	Know that when all fractional parts are included, the result is equal to the whole and to one											
	5.0 Adding and subtracting money	2.NS.5.1	Solve problems using combinations of coins and bills											
		2.NS.5.2	Know and use the decimal notation and the dollar and cent symbols for money											
	6.0 Estimation	2.NS.6.1	Recognize when an estimate is reasonable in measurement (e.g., closest inch)											
ALGEBRA AND FUNCTIONS (AF)	1.0 Number relationships for add and sub.	2.AF.1.1	Commutative and associative rules to simplify mental calcs. and to check results											
		2.AF.1.2	Relate problem situations to number sentences involving addition and subtraction											
		2.AF.1.3	Solve add and sub probs using data from simple charts, picture graphs, & # sentences											
MEASUREMENT AND GEOMETRY (MG)	1.0 Units of Measurements	2.MG.1.1	Measure the lengths of objects by iterating a nonstandard or standard unit											
		2.MG.1.2	Use different units to measure the same object and predict whether the measure will be greater or smaller when a different unit is used											
		2.MG.1.3	Measure the length of an object to the nearest inch and/or centimeter											
		2.MG.1.4	Tell time to the nearest quarter hour and know relationships of time											
		2.MG.1.5	Determine the duration of intervals of time in hours											
	2.0 Common figures	2.MG.2.1	Plane and solid geometric shapes (number and shape of faces, edges, and vertices)											

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		2.MG.2.2	Put shapes together and take them apart to form other shapes											
STATISTICS, DATA ANALYSIS, AND PROBABILITY (SDP)	1.0 Simple graphs and charts	2.SDP.1.1	Record numerical data in systematic ways, keeping track of what has been counted											
		2.SDP.1.2	Represent the same data set in more than one way (e.g., bar graphs & tally charts)											
		2.SDP.1.3	Identify features of data sets (range and mode)											
		2.SDP.1.4	Ask and answer simple questions related to data representations											
	2.0 Patterns	2.SDP.2.1	Recognize, describe, and extend patters and determine a next term in linear patterns											
		2.SDP.2.2	Solve problems involving simple number patterns											
MATHEMATICAL REASONING (MR)	1.0 Setting up problems	2.MR.1.1	Determine the approach, materials, and strategies to be used to solve a problem											
		2.MR.1.2	Use tools, such as manipulatives or sketches, to model problems											
	2.0 Solve problems and justify reasoning	2.MR.2.1	Defend the reasoning used and justify the procedureds selected											
		2.MR.2.2	Make precise calculations and check the validity of the results in the context of the problem											
	3.0 Connections	2.MR.3.1	Note connections between one problem and another											