

# Schoolwide Benchmark Assessment Plan

## Math Standards

Test 1 September  
Test 2 November

Test 3 January  
Test 4 March

Test	Standard	Category	FOURTH GRADE		FOURTH GRADE
			Essential Math Standards		Kid Friendly Standards
1	1.1	Number Sense	Read and write whole numbers in the millions.	1.1	I can read and write whole numbers to the million.
1	1.2	Number Sense	Order and compare whole numbers and decimals to two decimal places.	1.2	I can put numbers in order from biggest to smallest or from smallest to biggest even w/decimals
1	1.3	Number Sense	Round whole numbers through the millions to the nearest ten, hundred, thousand, ten thousand, or hundred thousand.	1.3	I can round whole nubers all the way up to the millions.
1	1.4	Number Sense	Decide when a rounded solution is called for and explain why such a solution may be appropriate.	1.4	I can decide when to use an estimate or exact number.
1	1.1	Mathematical Reasoning	Analyze problems by identifying relationships, distinguishing relevant from irrelevant information, sequencing and prioritizing information, and observing patterns.	1.1	In a word problem, I can find out what information I need and what I don't need to get the answer.
2	1.8	Number Sense	Use concepts of negative numbers (e.g., on a number line, in counting, in temperature, in "owing").	1.8	I know how to use negaive numbers and I know how to put them on a number line.
2	1.9	Number Sense	Identify on a number line the relative position of positive fractions, positive mixed numbers, and positive decimals to two decimal places.	1.9	I can place fractions, positive mixed numbers, and decimals on a number line.
2	1.2	Algebra and Functions	Interpret and evaluate mathematical expressions that now use parentheses.		
2	1.3	Algebra and Functions	Use parentheses to indicate which operation to perform first when writing expressions containing more than two terms and different operations.	1.3	I can solve this problem $(3 \times 6) / 9 =$
2	1.2	Mathematical Reasoning	Determine when and how to break a problem into simpler parts.	1.2	I can understand and tell that some rectangles have the same area, but have a different measurement around its shape.
3	3.1	Number Sense	Demonstrate an understanding of, and the ability to use, standard algorithms for the addition and subtraction of multi-digit numbers.	3.1	I can add $123 + 629$ and subtract $369 - 123$
3	3.2	Number Sense	Demonstrate an understanding of, and the ability to use, standard algorithms for multiplying a multi-digit number by a two-digit number and for dividing a multi-digit number by a one-digit number; use relationships between them to simplify computations and to check results.	3.2	I can multiply $23 \times 14$ and divide 27 by 5.
3	1.5	Algebra and Functions	Understand that an equation such as $y = 3x + 5$ is a prescription for determining a second number when a first number is given.	1.5	If I have the value of x, I can solve: $Y=3x+5$

3	2.1	Algebra and Functions	Know and understand that equals added to equals are equal.	2.1	If I add the same number to both sides of the equal sign, the equation will still be balanced.
3	2.2	Algebra and Functions	Know and understand that equals multiplied by equals are equal.	2.2	If I multiply each side of the equal sign by the same number, the equation will still be balanced.
3	3.1	Mathematical Reasoning	Evaluate the reasonableness of the solution in the context of the original situation.	3.1	I know that my answer should make sense.
4	3.3	Number Sense	Solve problems involving multiplication of multidigit numbers by two-digit numbers.		
4	3.4	Number Sense	Solve problems involving division of multidigit numbers by one-digit numbers.		
4	4.2	Number Sense	Know that numbers such as 2, 3, 5, 7, and 11 do not have any factors except 1 and themselves and that such numbers are called prime numbers.	4.2	I know what prime numbers are.
4	2.1	Measurement and Geometry	Draw the points corresponding to linear relationships on graph paper (e.g., draw 10 points on the graph of the equation $y = 3x$ and connect them by using a straight line).	2.1	I can plot points on a graph with an x- and y- axis.
4	2.2	Measurement and Geometry	Understand that the length of a horizontal line segment equals the difference of the x-coordinates.		
4	2.3	Measurement and Geometry	Understand that the length of a vertical line segment equals the difference of the y-coordinates.		
4	3.3	Mathematical Reasoning	Develop generalizations of the results obtained and apply them in other circumstances.	3.3	I can use and answer from one problem to understand other problems.



