

## 4th Grade Math RTI Goals and Measures Fall 2015

Area of Concern	Goal	Goal Text	Progress Monitoring
Algebraic Thinking (RT7)	Create Equations to Represent Word Problems (4th Grade)	Name  will create drawings and equations to represent word problems using symbols, to include letters, to represent the unknown with  %  percent accuracy. (all 4 operations and multi-step word problems)	Equations to Represent Word Problems (4th)
Data and Statistics (RT9)	Represent and Interpret Data (4th Grade)	Name  will make a line plot to display a data set of measurements in fractions of a unit ( $\frac{1}{2}$ , $\frac{1}{4}$ , $\frac{1}{8}$ ). Solve problems involving addition and subtraction of fractions by using information presented in line plots with  %  percent accuracy.	Line Plot (4th)
Geometry (RT 6, RT8)	Classify Shapes by Properties of their Lines and Angles (4th Grade)	Name  will classify two-dimensional figures based on the presence or absence of parallel or perpendicular lines, or the presence or absence of angles of a specified size. Recognize right triangles as a category, and identify right triangles. Recognize a line of symmetry for a two-dimensional figure with  %  percent accuracy.	Classify Shapes (4th)
Geometry (RT 6, RT8)	Draw and Identify Lines and Angles (4th Grade)	Name  will draw points, lines, line segments, rays, angles (right, acute, obtuse), and perpendicular and parallel lines with  %  percent accuracy.	Draw and Identify Lines and Angles (4th)
Measurement (RT 5)	Solve Problems involving Measurement and Conversion of Measurements from a Larger Unit to a Smaller Unit (4th Grade)	Name  will know relative sizes of measurement units within one system of units (U.S and Metric) and record measurement equivalents in a two- column table with  %  percent accuracy. (inches to feet, feet to yards, gram to kilograms, etc.)	Solve Problems Involving Measurement (4th)
Measurement (RT 5)	Understand Concepts of Angles and Measure Angles (4th Grade)	Name  will measure angles in whole number degrees using a protractor, sketch angles of specified measures, and solve addition and subtraction problems to find unknown angles on a diagram in real world and mathematical problems with  %  percent accuracy.	Measuring Angles (4th)
Number Systems (RT1, RT2)	Compare Decimal Fractions (4th Grade)	Name  will compare two decimals to hundredths and recognize those comparisons are only valid when both reflect the same whole with  %  percent accuracy.	Compare Decimals Fractions (4th)

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Number Systems (RT1, RT2)	Fractions (4th Grade)	Name  will compare two fractions with different numerators and different denominators (e.g., by creating common denominators or numerators, or by comparing to a benchmark fraction) and generate equivalent fractions with  %  percent accuracy. (denominators 2, 3, 4, 5, 6, 8, 10, 12, 100)	Compare Fractions and Generate Equivalent Fractions (4th)
Number Systems (RT1, RT2)	Decomposing Fractions (4th Grade)	Name  will decompose a fraction into a sum of fractions in more than one way with  %  percent accuracy. (Denominators 2, 3, 4, 5, 6, 8, 10, 12, 100)	Decompose Fractions (4th)
Operations (RT3, RT4)	Add and Subtract Fractions by applying previous understanding of Whole Number Operations (4th Grade)	Name  will add and subtract fractions (including word problems) by using visual fraction models and equations to represent the problem with  %  percent accuracy. (Denominators 2,3,4,5,6,10,12,100)	Addition and Subtraction of Fractions (4th)
Operations (RT3, RT4)	Add and Subtract mixed numbers with like denominators (4th Grade)	Name  will add and subtract mixed numbers with like denominators (e.g., by replacing each mixed number with an equivalent fraction, and/or by using properties of operations and the relationship between addition and subtraction) with  %  percent accuracy. (Denominators 2, 3, 4, 5, 6, 10, 12, 100)	Addition and Subtraction of Mixed Numbers (4th)
Operations (RT3, RT4)	Generalize Place Value understanding to perform Addition and Subtraction with Multi Digit Whole Numbers (4th Grade)	Name  will use understanding of place value to fluently add and subtract multi digit whole numbers using the standard algorithm with  %  percent accuracy.	Multi Digit Addition and Subtraction (4th)
Operations (RT3, RT4)	Generalize Place Value understanding to perform Multiplication with Multi Digit Whole Numbers (4th Grade)	Name  will use understanding of place value and factoring to multiply multi digit numbers whole numbers using equations, rectangular arrays and area models with  %  percent accuracy.	Multiplication of Whole Numbers (4th)

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Operations (RT3, RT4)	Generalize Place Value understanding to perform Division with Multi Digit Whole Numbers (4th Grade)	Name  will find whole number quotient and remainders with up to four digit dividends and one digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division with  %  percent accuracy.	Division of Whole Numbers (4th)
Operations (RT3, RT4)	Multiply Fractions by Whole Numbers (4th Grade)	Name  will multiply fractions by a whole number using equations and models with  %  percent accuracy. (Denominators 2,3,4,5,6,10,12,100)	Multiply Fractions by Whole Numbers (4th)