



Montezuma Elementary Fourth Grade Math Descriptors of Learning

<u>Standard</u>	<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>
<u>Place Value</u>	Reads and writes multi-digit whole numbers up to 100 times as large	Represents 10 times the place to it's right by applying basic facts	On going practice and application.	On going practice and application.
<u>Comparing Whole Numbers</u>	Reads and writes number forms and place values. Compares numbers through 100,000's place	Uses base-ten numerals to compare forms and place values through 100,000's place	On going practice and application.	On going practice and application.
<u>Rounding</u>	Rounds through 100,000's place	Rounds to any given place	On going practice and application.	On going practice and application.
<u>Factors/Multiples</u>	Identifies factors less than 40, write multiples of 1 digit numbers, and identify prime/composite numbers less than 40	Finds all factor pairs 1-100, multiples 1-100, and prime/composite numbers 1-100	On going practice and application.	On going practice and application.
<u>Operations</u>	Solves a 4-digit by 4-digit addition/subtraction problem	Adds and subtracts multi-digit whole numbers	On going practice and application.	On going practice and application.
<u>Basic Math Facts</u>	Computes basic multiplication facts through 12	On going practice and application.	Computes basic multiplication and division facts through 12	On going practice and application.
<u>What's My Rule/Basic Facts?</u>	Applies an addition, subtraction, multiplication, or division rule to a "What's My Rule" table and predict the next number	Identifies the missing number or shape patterns that were not given with the original rule	On going practice and application.	Can generate a number or shape pattern with a given rule

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<u>Problem Solving</u>	Identifies a number story as additive or multiplicative and explain how they know	Solves multiplicative comparison number stories	Multiplies or divides to solve word problems involving multiplicative comparisons	On going practice and application.
<u>Multiplicative Comparisons</u>	No expectations for mastery at this point.	Solves multiplication comparison sentences	Writes/ Compares multiplicative and additive comparison sentences	On going practice and application.
<u>Multiplication of Whole Numbers</u>	No expectations for mastery at this point.	Accurately multiplies 2-digit by 1-digit whole numbers and by multiples of 10	Accurately multiplies 3-digit by 1-digit, 2-digit by multiples of 10 with basic facts	Multiplies a whole number of up to 4-digits by 1-digit, 2-digit by 2-digit using any strategy and explains
<u>Division</u>	No expectations for mastery at this point.	No expectations for mastery at this point.	Divides 2-digit by 1-digit number	Divides up to 4-digits by 1-digit using and can explain strategy
<u>Interpreting Division</u>	No expectations for mastery at this point.	No expectations for mastery at this point.	Solves division word problems, which also include remainders	On going practice and application.
<u>Equivalent Fractions</u>	No expectations for mastery at this point.	Identifies equivalent fractions through 12's.	Compares fractions to show equivalency, including different denominators	On going practice and application.

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<u>Add/ Subtract Fractions and Mixed Numbers</u>	No expectations for mastery at this point.	No expectations for mastery at this point.	Adds and subtracts fractions and mixed numbers with like denominators	Adds and subtracts fractions and mixed numbers using different strategies, including story problems
<u>Multiply Fractions</u>	No expectations for mastery at this point.	No expectations for mastery at this point.	Applies repeated addition and multiplies with unit fractions	Uses a fraction as a multiple and can multiply by a whole number, including story problems
<u>Fractions/Decimals</u>	No expectations for mastery at this point.	Represents fractions and decimals to the hundredths	Adds fractions and decimal to the tenth or hundredths place	Expresses fractions with 10 and 100 as denominators as equivalent fractions
<u>Compare Decimals</u>	No expectations for mastery at this point.	Compares and orders decimals	Compares 2 decimals to the hundredths	On going practice and application.
<u>Basic Conversion</u>	Converts time and customary units of length	Converts units of capacity and mass	Converts units of weight	Converts units within one system of all units
<u>Perimeter and Area</u>	Finds perimeter and area of rectangles	Applies perimeter and area formulas for rectangles in real world problems	On going practice and application.	On going practice and application.
<u>Line Plots</u>	No expectations for mastery at this point.	No expectations for mastery at this point.	Organizes fraction data in a line plot. Solves addition and subtraction problems using information in a line plot	Makes a line plot to display fraction data

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<u>Angles</u>	Draws points, lines, line segments, rays, angles (right, acute, obtuse), and perpendicular and parallel lines.	On going practice and application.	Identifies, draws, and measures angles using a protractor. (degrees)	On going practice and application.
<u>2- Dimensional Figures</u>	No expectations for mastery at this point.	Classifies 2-dimensional figures based on line segments or angles. Identifies line-symmetric figures and draws lines of symmetry	On going practice and application.	On going practice and application.
<u>Additives with Angles</u>	No expectations for mastery at this point.	No expectations for mastery at this point.	Recognizes angle measurements as additives within benchmarks Adds and subtracts to find unknown angle	Solves addition and subtraction real-world problems finding unknown angles