O.A. Thorp Scholastic Academy - Student Individualized Learning Path

Student Name: «FIRST_NAME» «LAST_NAME» **Grade: «GRADE»** **HR: «HMRM»** **Current Math RIT:«M_1213_Rdg_Fall»**	**Math Grades 2 – 5** **NWEA Strand Goals: Operations and Algebraic Thinking, Number and Operations in Base Ten, Number & Operations: Fractions, Measurement and Data, Geometry**

Below 191 - Operations and Algebraic Thinking

- ☐ Determines the operation needed from a simple problem
- ☐ Writes a number sentence for a simple problem solving situation
- ☐ Solves real-world whole number addition problems with sums to 20 (result unknown) - with extraneous information given
- ☐ Solves real-world whole number addition problems with sums to 20 (start unknown)
- ☐ Solves real-world whole number addition problems with sums to 100 (result unknown)
- ☐ Solves real-world whole number addition problems with sums to 1000
- ☐ Solves real-world whole number problems involving subtraction with numbers under 20
- ☐ Solves real-world whole number problems involving subtraction with numbers 100 and under
- ☐ Solves real-world whole number problems involving subtraction with numbers under 1000
- ☐ Solves real-world whole number problems involving addition and subtraction
- ☐ Solves basic facts addition & subtraction open sentences using diagrams and models (e.g., using balances)
- ☐ Solves 1-step open sentences with missing addends (numbers 100 and under)
- ☐ Distinguishes between odd and even numbers
- ☐ Solves word problems involving basic whole number multiplication facts to 10 x 10 ? Uses sharing for division
- ☐ Models whole number multiplication and division algorithms (e.g., shows multiplication as repeated addition and division as repeated subtraction)
- ☐ Models multiplication and division algorithms using arrays (whole numbers)
- ☐ Demonstrates an understanding of the zero property of multiplication
- ☐ Demonstrates an understanding of the inverse relationship between multiplication and division
- ☐ Extends a growing arithmetic pattern, defined by numbers
- ☐ Completes a growing arithmetic pattern using models by identifying the missing members
- ☐ Extends a decreasing arithmetic patterns
- ☐ Vocabulary: gave, left, odd number, row, symmetrical, unifix cubes
- ☐ Signs and Symbols: { } set notation, ÷ division, x multiplication

Below 191 - Number and Operations in Base Ten

- ☐ Identifies the numeral and written name for whole numbers 101 to 999 (e.g., 342 is three hundred forty-two, and vice versa)
- ☐ Identifies the numeral and written name for whole numbers to 1000 to 9999 (e.g., 3456 is three thousand, four hundred fifty-six, and vice versa)
- ☐ Uses strategies for sums and differences with 2-digit numbers (e.g., decomposing, compatible, compensation, partial sums, counting on)
- ☐ Writes equivalent forms of whole numbers 11 to 20 using addition (e.g., 14 = 7 + 7)
- ☐ Adds 1-digit to multiple-digit number with regrouping

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- ☐ Identifies the numeral and written name for whole numbers 10,000 to 100,000
- ☐ Identifies the number that is "1 less than" a given number
- ☐ Counts and writes by 4's
- ☐ Compares whole numbers through 999
- ☐ Compares whole numbers through 9999
- ☐ Rounds 2- and 3- digit whole numbers to the nearest ten
- ☐ Rounds 3-digit whole numbers to the nearest hundred
- ☐ Counts objects that are grouped into tens and ones
- ☐ Identifies whole numbers under 100 given place value terms (e.g., 3 tens and 4 ones = 34)
- ☐ Identifies the place value and value of each digit in whole numbers through the tens place
- ☐ Identifies the place value and value of each digit in whole numbers through the hundreds place
- ☐ Identifies the place value and value of each digit in whole numbers through the thousands
- ☐ Identifies the place value and value of each digit in whole numbers through the hundred thousands
- ☐ Compares and orders decimals to the hundredths place (same number of digits after decimal)
- ☐ Uses rounding to estimate answers to real-world problems involving addition of numbers less than 100 (whole numbers only)
- ☐ Performs mental computation with 2, 3, or 4 addends
- ☐ Adds two 3- and/or 4-digit numbers, with regrouping, with sums over 1000
- ☐ Adds multiple-digit numbers, with regrouping, with sums over
- ☐ Adds two or three 2-digit number with regrouping
- ☐ Adds 3-digit numbers, with regrouping, with sums under 1000
- ☐ Subtracts 2- and/or 3-digit numbers with no regrouping
- ☐ Subtracts 3- or 4-digit numbers with regrouping
- ☐ Performs mental subtraction with numbers under 1000
- ☐ Subtracts multiple-digit numbers with no regrouping
- ☐ Multiplies basic facts to 10 x 10 vertically
- ☐ Multiplies a 2-digit number by a 1-digit number with regrouping
- ☐ Instantly recalls division facts with dividend and divisors less than 10
- ☐ Recognizes addition and subtraction fact families through 18
- ☐ Adds decimals to the hundredths place (same number of digits)
- ☐ Subtracts decimals to the hundredths place (same number of digits) without regrouping
- ☐ Adds decimals to the thousandths place vertically with and without regrouping
- ☐ Subtracts decimals to the hundredths place (same number of digits) without regrouping
- ☐ Subtracts decimals to the hundredths place (same number of digits) with regrouping
- ☐ Subtracts decimals to the thousandths place, vertically, with and without regrouping
- ☐ Solves real-world problems involving decimals (not money) using addition and subtraction
- ☐ Multiplies a decimal by whole number

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1000 ☐ Subtracts 1-digit number from a 2-digit number with regrouping ☐ Subtracts a 2-digit number from a 2-digit number, with regrouping	☐ Vocabulary: closest, digit, million, nearest, one, ten thousand ☐ Signs and Symbols: { } set notation, long division, symbol
Below 191 - Number & Operations: Fractions	
☐ Represents 1/4 with a diagram or model ☐ Represents 3/4 with a diagram or model ☐ Identifies equal parts by using models ☐ Identifies 1/2 from a region or set ☐ Identifies 1/4 from a region or set	☐ Identifies 2/3 or 3/3 from a region or set ☐ Identifies eighths from a region or set ☐ Identifies a fraction (denominators other than 2, 3, 4, 8, 10) from a region or set ☐ Vocabulary: fourths, thirds ☐ Signs and Symbols: = is equal to
Below 191 - Measurement and Data	
☐ Identifies the value of a collection of coins to $1.00 (without picture of coins) ☐ Adds money with regrouping ☐ Identifies the value of a collection of coins and bills to $10.00 by "counting on" (with picture of money) ☐ Finds equivalent combinations of coins with the same value ☐ Combines a collection of coins and identifies the correct notation ☐ Makes change to $1.00 by "counting on" or subtracting ☐ Computes with dollars and cents up to and including $5.00 and converts to decimals (addition/subtraction only) ☐ Computes 1 operation on addition or subtraction real-world problems involving money up to $5.00 ☐ Knows the approximate size of an inch	☐ Determines elapsed time under 1 hour or to the hour ☐ Determines elapsed time involving whole hours, whole days, whole years ☐ Tells time to the nearest 5 minutes ☐ Computes simple conversions among units of time (days, weeks) ☐ Determines the perimeter of a figure where all sides are labeled ☐ Determines the area of irregular shapes by counting square units ☐ Interprets simple graphs or tables ☐ Solves simple problems based on data from tally charts ☐ Solves simple problems based on data from pictographs ☐ Reads and interprets data from a bar graph

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☐ Knows the approximate length of familiar objects ☐ Measures length with customary measures to the half-inch mark ☐ Determines more capacity or less capacity ☐ Selects and uses the appropriate type and size of unit in customary system (capacity) ☐ Identifies the correct time, given the words, and vice versa ☐ Determines elapsed clock time	☐ Solves simple problems based on data from bar graphs ☐ Vocabulary: changed, clock, cup, half past, how much time, lowest, measurement, millimeter, noon, o'clock, pennies, pint, quarter past, quarter to, smallest, tablespoon, teaspoon, what time ☐ Signs and Symbols: c cup, gal gallon, pt pint, qt quart, tsp teaspoon, ☐ variable, : used with time
Below 191 - Geometry	
☐ Compares squares (larger, smaller) ☐ Identifies and names multiple shapes (e.g., square, rectangle, triangle, circle) ☐ Classifies polygons by sides and vertices ☐ Identifies and names a cube ☐ Identifies and names a sphere	☐ Identifies points on a line ☐ Identifies plane figures with line symmetry ☐ Determines, names locations in first quadrant on labeled grid or coordinate system (e.g., map or graph) ☐ Vocabulary: grid, smallest, symmetry ☐ Signs/Symbols: ( ) ordered pair, •point