

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

<b>Student Name:</b> «FIRST_NAME» «LAST_NAME» <b>Grade:</b> «GRADE» <b>HR:</b> «HMRM» <b>Current Math RIT:</b> «M_1213_Rdg_Fall»	<b>Math Grades 2 – 5</b>  <b>NWEA Strand Goals: Operations and Algebraic Thinking, Number and Operations in Base Ten, Number &amp; Operations: Fractions, Measurement and Data, Geometry</b>
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### Below 231 - Operations and Algebraic Thinking

<input type="checkbox"/> Solves open sentences with calculations on both sides of the sentence <input type="checkbox"/> Solves complex word problems involving whole number division with remainder (e.g., 2-step, 2-digit divisor) <input type="checkbox"/> Describes and uses a variable with whole numbers, multiplication, and division in a contextual situation <input type="checkbox"/> Solves 2-step open sentences with missing factors <input type="checkbox"/> Looks for a growing pattern to solve a problem <input type="checkbox"/> Solves real-world problems using reasoning strategies <input type="checkbox"/> Determines factors of whole numbers <input type="checkbox"/> Uses factor and multiple concepts to solve simple problems	<input type="checkbox"/> Divides numbers by powers of 10 <input type="checkbox"/> Solves real-world multiple-step problems involving whole numbers <input type="checkbox"/> Extends a growing pattern of triangular numbers, defined by objects or diagrams <input type="checkbox"/> Applies algebraic methods to solve theoretical problems <input type="checkbox"/> Applies algebraic methods to solve real-world problems <input type="checkbox"/> Completes a function table according to a rule <input type="checkbox"/> Vocabulary: none <input type="checkbox"/> Signs and Symbols: none
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### Below 231 - Number and Operations in Base Ten

<input type="checkbox"/> Determines the relative magnitude of whole numbers <input type="checkbox"/> Orders whole numbers a million or greater using < or > symbols <input type="checkbox"/> Rounds whole numbers to the nearest million <input type="checkbox"/> Rounds wholes numbers to the nearest billion <input type="checkbox"/> Writes equivalent forms of whole numbers using place value (numbers 100 or greater) (e.g., 253 = 2 hundreds, 5 tens, and 3 ones) <input type="checkbox"/> Represents a decimal to thousandths place (e.g., three thousandths = 0.003) <input type="checkbox"/> Compares and orders decimals to the hundredths place (not same number of digits after decimal) <input type="checkbox"/> Compares and orders decimals to the thousandths place (not same number of digits after decimal) <input type="checkbox"/> Compares and orders decimals past the thousandths place	<input type="checkbox"/> Uses multiplication strategies to explain computation (e.g., doubles, 9-patterns, decomposing, partial products) <input type="checkbox"/> Multiplies multiple-digit numbers <input type="checkbox"/> Divides a 4-digit number by a 2-digit number <input type="checkbox"/> Adds decimals to the hundredths place in horizontal format (not same number of digits) <input type="checkbox"/> Adds decimals through the hundred-thousandths place <input type="checkbox"/> Subtracts decimals to the hundredths place (not same number of digits) <input type="checkbox"/> Subtracts decimals to the thousandths place, horizontally, with and without regrouping <input type="checkbox"/> Subtracts decimals through the hundred-thousandths place, horizontally <input type="checkbox"/> Subtracts a decimal from a whole number, horizontally <input type="checkbox"/> Multiplies a decimal by a decimal, vertical form (factors to
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<input type="checkbox"/> Rounds decimals to the nearest hundredth <input type="checkbox"/> Writes a fraction or mixed number as a decimal when the denominator is a multiple of 10 <input type="checkbox"/> Uses rounding to estimate answers to real-world problems involving multiplication and division of numbers less than 100 (whole numbers only) <input type="checkbox"/> Uses rounding to estimate answers to real-world problems involving numbers less than 1000 with multiplication and division (whole numbers only)	tenths or hundredths) <input type="checkbox"/> Multiplies a decimal by a decimal (factors to hundredths) <input type="checkbox"/> Multiplies a decimal by 10, 100, 1000 <input type="checkbox"/> Multiplies a decimal by a decimal (factors to thousandths) <input type="checkbox"/> Divides a decimal by 10, 100, 1000 <input type="checkbox"/> Divides a decimal by a decimal <input type="checkbox"/> Vocabulary: ten million <input type="checkbox"/> Signs and Symbols: none
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<b>Below 231 - Number &amp; Operations: Fractions</b>
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<input type="checkbox"/> Identifies a fractions in lowest terms from a region or set <input type="checkbox"/> Determines simple equivalent fractions using multiples <input type="checkbox"/> Determines equivalent fractions using multiples <input type="checkbox"/> Compares fractions (e.g., comparing numerators and denominators) <input type="checkbox"/> Orders fractions on a number line <input type="checkbox"/> Uses alternative algorithms to explain the meaning of "fraction" <input type="checkbox"/> Adds fractions with like denominators with reducing or converting to a mixed fraction <input type="checkbox"/> Adds fractions with unlike denominators without reducing <input type="checkbox"/> Adds fractions with unlike denominators with reducing or converting to a mixed fraction <input type="checkbox"/> Adds mixed fractions where converting from improper fractions is necessary <input type="checkbox"/> Subtracts fractions with like denominators with reducing <input type="checkbox"/> Subtracts fractions with unlike denominators without reducing	<input type="checkbox"/> Subtracts whole numbers, fractions, and mixed fractions with regrouping <input type="checkbox"/> Solves real-world problems involving addition and subtraction of fractions where converting one denominator is necessary <input type="checkbox"/> Multiplies a fraction by a fraction without reducing to simplest form (complex problem) <input type="checkbox"/> Multiplies a fraction by a fraction where reducing to simplest form is necessary <input type="checkbox"/> Multiplies a fraction by a whole number <input type="checkbox"/> Multiplies mixed fractions <input type="checkbox"/> Divides a fraction by a fraction <input type="checkbox"/> Solves 1-step real-world problems involving fractions with multiplication and division <input type="checkbox"/> Solves 2- or more step real-world problems involving fractions with multiplication and division <input type="checkbox"/> Solves problems involving fractions (e.g., multiple operations, conversions) <input type="checkbox"/> Vocabulary: cord, short
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<input type="checkbox"/> Subtracts fractions with unlike denominators with reducing <input type="checkbox"/> Subtracts mixed fractions with unlike denominators with no regrouping	<input type="checkbox"/> Signs and Symbols: ÷ division, \$ dollar sign
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<b>Below 231 - Measurement and Data</b>	
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<input type="checkbox"/> Computes with dollars and cents over \$5.00 and converts to decimals (multiplication/division) <input type="checkbox"/> Computes the value of multiple bills and coins (multiplication/division) <input type="checkbox"/> Solves 1-step problems involving proportions <input type="checkbox"/> Knows the approximate size of a meter <input type="checkbox"/> Converts between inches, feet, and yards <input type="checkbox"/> Computes basic subtraction and multiplication with units of length <input type="checkbox"/> Converts between millimeters, centimeters, meters, and kilometers <input type="checkbox"/> Apply dimensional analysis to simple real-world problems (length) <input type="checkbox"/> Solves problems involving length in the customary system and converts to larger or smaller units <input type="checkbox"/> Converts between ounces and pounds <input type="checkbox"/> Converts between cups, pints, quarts, and gallons <input type="checkbox"/> Converts within the metric system <input type="checkbox"/> Computes 2-step conversions between units of time <input type="checkbox"/> Applies dimensional analysis to simple real-world problems (time)	<input type="checkbox"/> Solves difficult problems involving elapsed time, with the conversion of hours <input type="checkbox"/> Solves complex problems involving miles/kilometers per hour <input type="checkbox"/> Solves problems involving the perimeter of squares, rectangles, or triangles <input type="checkbox"/> Solves problems involving the perimeter of irregular or complex shapes <input type="checkbox"/> Calculates the area of a rectangle, given labeled sides (customary units) <input type="checkbox"/> Determines the length or width of a rectangle, given the area (metric units) <input type="checkbox"/> Solves simple problems involving the area of a square or rectangle <input type="checkbox"/> Calculates area and perimeter of a rectangle (customary units) <input type="checkbox"/> Calculates the volume of rectangular solids <input type="checkbox"/> Vocabulary: cubic meter, cubic millimeter <input type="checkbox"/> Signs and Symbols: dm decimeter/decimeter, h height, km kilometer/kilometre, l length, mL milliliter/milliliter, V volume, w width
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<b>Below 231 - Geometry</b>	
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<input type="checkbox"/> Identifies and names a trapezoid <input type="checkbox"/> Identifies and names a quadrilateral	<input type="checkbox"/> Predicts changes necessary to create symmetry in basic plane shapes
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<ul style="list-style-type: none"><li><input type="checkbox"/> Compares polygons by properties</li><li><input type="checkbox"/> Identifies properties of quadrilaterals</li><li><input type="checkbox"/> Identifies the number of edges on rectangular prisms</li><li><input type="checkbox"/> Identifies rays</li><li><input type="checkbox"/> Determines which lines are perpendicular (analysis)</li><li><input type="checkbox"/> Identifies acute angles</li><li><input type="checkbox"/> Classifies equilateral triangles</li><li><input type="checkbox"/> Classifies polygons by type of angle</li></ul>	<ul style="list-style-type: none"><li><input type="checkbox"/> Determines coordinates of geometric figures in the first quadrant</li><li><input type="checkbox"/> Determines the distance between points, following grid lines, in the first quadrant on a coordinate graph (as in city blocks)</li><li><input type="checkbox"/> Vocabulary: equilateral triangle, isosceles triangle, obtuse triangle, scalene triangle</li><li><input type="checkbox"/> Signs/Symbol: in. inch, <math>\perp</math> right angle marker, segment overbar</li></ul>
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