

Skills and Concepts to Enhance (73% Probability*) 211 - 220	Skills and Concepts to Develop (50% Probability*) 221 - 230	Skills and Concepts to Introduce (27% Probability*) 231 - 240
<p>Geometric Measurement and Problem Solving</p> <ul style="list-style-type: none"> • Computes the value of multiple bills and coins (addition/subtraction only) • Analyzes and computes 1 operation on real-world problems involving money over \$5.00 (addition/subtraction only) • Analyzes and computes 1 operation on real-world problems involving money over \$5.00 (multiplication/division) • Computes with dollars and cents over \$5.00 and converts to decimals (multiplication/division) • Computes addition and subtraction on multiple-step real-world problems involving money • Computes addition, subtraction, multiplication, and division on multiple-step, real-world problems involving money • Uses the appropriate unit of measure for length • Knows the approximate size of a millimeter • Converts between inches and feet • Converts between inches, feet, and yards • Selects and uses the appropriate type and size of unit in metric system (mass) • Converts between cups, pints, quarts, and gallons • Apply dimensional analysis to simple real-world problems (capacity) • Computes more difficult conversions among units of time • Applies dimensional analysis to simple real-world problems (time) • Solves difficult problems involving elapsed time, with the conversion of hours • Solves simple problems involving miles per gallon • Solves problems involving rates • Estimates the measure of acute, right, and obtuse angles using 45 and 90 degrees as referents • Measures angles using a protractor • Determines the perimeter of a figure using non-standard units • Solves problems involving the perimeter of squares, rectangles, or triangles • Finds the perimeter of a polygon using a formula • Describes the change in perimeter when dimensions of an object are altered • Determines the area of irregular shapes with partial square units • Estimates and finds volume of a figure using cubic units • Identifies properties of angles 	<p>Geometric Measurement and Problem Solving</p> <ul style="list-style-type: none"> • Computes with dollars and cents over \$5.00 and converts to decimals (multiplication/division) • Computes the value of multiple bills and coins (multiplication/division) • Measures length to the nearest millimeter • Converts between inches, feet, and yards • Converts between millimeters, centimeters, meters, and kilometers • Solves problems involving length in the customary system and converts to larger or smaller units • Converts between ounces and pounds • Converts between ounces, pounds, and tons • Converts between cups, pints, quarts, and gallons • Converts within the metric system • Apply dimensional analysis to simple real-world problems (capacity) • Computes 2-step conversions between units of time • Applies dimensional analysis to simple real-world problems (time) • Solves difficult problems involving elapsed time, with the conversion of hours • Solves complex problems involving miles/kilometers per hour • Solves problems involving rates • Determines the perimeter of a figure using non-standard units • Solves problems involving the perimeter of squares, rectangles, or triangles • Solves problems involving the perimeter of irregular or complex shapes • Solves problems involving perimeter and converts to larger or smaller units • Describes the change in perimeter when dimensions of an object are altered • Calculates the area of a rectangle, given labeled sides (customary units) • Determines the length or width of a rectangle, given the area (metric units) • Determines the area of irregular shapes (customary units) • Calculates area and perimeter of a rectangle (customary units) • Calculates the volume of rectangular solids 	<p>Geometric Measurement and Problem Solving</p> <ul style="list-style-type: none"> • Measures length to the nearest millimeter • Converts between millimeters, centimeters, meters, and kilometers • Apply dimensional analysis to simple real-world problems (length) • Solves problems involving length in the customary system and converts to larger or smaller units • Converts between grams and kilograms • Converts within the metric system • Apply dimensional analysis to simple real-world problems (capacity) • Solves problems involving capacity in the metric system and converts to larger or smaller units • Solves problems involving rates • Solves problems involving the perimeter of irregular or complex shapes • Describes the change in perimeter when dimensions of an object are altered • Identifies the formula for perimeter with a variable • Determines the area of a triangle drawn on a grid • Calculates the area of a rectangle, given labeled sides (customary units) • Determines the length or width of a rectangle, given the area (metric units) • Determines the area of irregular shapes (customary units) • Calculates the volume of rectangular solids • Calculates the length, width, or height of a rectangular prism, given the area (customary units)

Explanatory Notes

* At the range mid-point, this is the probability students would correctly answer items measuring these concepts and skills. Both data from test items and review by NWEA curriculum specialists are used to place Learning Continuum statements into appropriate RIT ranges. Blank cells indicate data are limited or unavailable for this range or document version.

Skills and Concepts to Enhance (73% Probability*) 211 - 220	Skills and Concepts to Develop (50% Probability*) 221 - 230	Skills and Concepts to Introduce (27% Probability*) 231 - 240
Represent and Interpret Data	Represent and Interpret Data	Represent and Interpret Data
<ul style="list-style-type: none"> Solves problems using pictographs Solves problems using bar graphs Reads and interprets data in line plots 	<ul style="list-style-type: none"> Determines appropriate intervals and/or scale for a bar graph 	<ul style="list-style-type: none"> Determines appropriate intervals and/or scale for a bar graph Interprets data given in horizontal and vertical bar graphs to solve problems
<i>New Vocabulary:</i> century, coin, how long	<i>New Vocabulary:</i> cubic meter	<i>New Vocabulary:</i> None
<i>New Signs and Symbols:</i> \$ dollar sign, hr hour, ↓ measurement span down, ← measurement span left, → measurement span right, ↑ measurement span up	<i>New Signs and Symbols:</i> h height, l length, mL milliliter/millilitre, mm millimeter/millimetre, V volume, w width	<i>New Signs and Symbols:</i> () order of operations, + addition, kg kilogram, P perimeter

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