

Skills and Concepts to Enhance (73% Probability*) 191 - 200	Skills and Concepts to Develop (50% Probability*) 201 - 210	Skills and Concepts to Introduce (27% Probability*) 211 - 220
Expressions and Equations <ul style="list-style-type: none"> Solves real-world whole number problems involving subtraction with numbers under 1000 Solves whole number subtraction word problems with numbers over 1000 Evaluates numerical expressions using grouping symbols (whole numbers only) Demonstrates an understanding of the zero property of multiplication Computes half price (multiplication/division) Uses algebraic reasoning to solve problems involving equality relationships Solves 1-step open sentences with missing addends (numbers 100 and under) Solves 1-step open sentences with missing addends (numbers over 100) Solves simple open sentences with missing factors (numbers 100 and under) Solves 2-step open sentences with missing addends Writes equivalent forms of whole numbers 11 to 20 using addition (e.g., $14 = 7 + 7$) 	Expressions and Equations <ul style="list-style-type: none"> Uses rounding to estimate answers to 2-step problems involving money (using decimals) Solves whole number subtraction word problems with numbers over 1000 Evaluates numerical expressions using grouping symbols (whole numbers only) Demonstrates an understanding of the commutative property of addition Understands equivalence and extends the concept to number sentences involving variables (e.g., $8 + 2 = \square + 2$) Uses algebraic reasoning to solve problems involving equality relationships Uses simple linear equations to represent problem situations Describes a realistic situation using information given in a linear equation Solves 1-step open sentences with missing addends (numbers over 100) Solves simple open sentences with missing factors (numbers 100 and under) Solves 2-step open sentences with missing addends Solves open sentences with basic-facts calculations on both sides of the sentence Translates a 2-step problem to a symbolic expression or equation Solves real-world problems using reasoning strategies 	Expressions and Equations <ul style="list-style-type: none"> Uses rounding to estimate answers to 2-step problems involving money (using decimals) Demonstrates an understanding of the associative property of multiplication Demonstrates an understanding of the distributive property of multiplication by decomposing a term Calculates the value of a power (e.g., $2^3 = 8$) Uses a table of input/output values to represent patterns Understands equivalence and extends the concept to number sentences involving variables (e.g., $8 + 2 = \square + 2$) Uses algebraic reasoning to solve problems involving equality relationships Uses simple linear equations to represent problem situations Solves simple open sentences with missing factors (numbers over 100) Solves open sentences using the distributive property Solves open sentences with calculations on both sides of the sentence Solves 2-step open sentences with missing factors Solves 1-step linear equations Applies algebraic methods to solve theoretical problems Translates a 2-step problem to a symbolic expression or equation Solves real-world problems using reasoning strategies Uses powers to represent 10, 100, 1000, 10,000, and 100,000
Use Functions to Model Relationships <ul style="list-style-type: none"> Extends a growing arithmetic pattern, defined by objects or diagrams Analyzes a growing, arithmetic pattern with numbers to determine the rule Completes a simple function table based on real-life situations (e.g., the number of tricycles related to the number of wheels) Reads data in a line graph - no calculations 	Use Functions to Model Relationships <ul style="list-style-type: none"> Extends a growing arithmetic pattern, defined by objects or diagrams Completes a simple function table based on real-life situations (e.g., the number of tricycles related to the number of wheels) Completes a function table given a simple rule (e.g., $x + 2$) Predicts from simple charts and tables 	Use Functions to Model Relationships <ul style="list-style-type: none"> Completes a function table given a simple rule (e.g., $x + 2$) Solves problems involving simple functions Looks for a growing pattern to solve a problem Interprets data in line graphs (e.g., change over time)
<i>New Vocabulary:</i> longer <i>New Signs and Symbols:</i> () order of operations, ÷ division, \$ dollar sign	<i>New Vocabulary:</i> minimum, plus <i>New Signs and Symbols:</i> °C degrees Celsius, = is equal to, min minute, - negative number, p.m., + positive number	<i>New Vocabulary:</i> None <i>New Signs and Symbols:</i> () parenthesis around an integer, a.m., ¢ cent sign, °F degrees Fahrenheit, \$ dollar sign, lb pound, mph miles per hour

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.