

DesCartes: A Continuum of Learning®

Mathematics

Goal: Number and Operations

RIT Score Range: < 161
Statements Last Updated: Mar 10, 2014

Skills and Concepts to Develop (50% Probability*) < 161	Skills and Concepts to Introduce (27% Probability*) 161 - 170
Understand Place Value, Counting, and Cardinality	Understand Place Value, Counting, and Cardinality
<ul style="list-style-type: none"> Identifies whole numbers under 100 using base-10 blocks Identifies the numerical and written name for whole numbers 11 to 20 (e.g., 15 is fifteen, and vice versa) 	<ul style="list-style-type: none"> Identifies whole numbers under 100 using base-10 blocks Identifies the numerical and written name for whole numbers 11 to 20 (e.g., 15 is fifteen, and vice versa) Counts 1 to 10 objects Identifies missing numbers in a series through 100 Recognizes and generates equivalent forms for the same number using physical models for whole numbers 11 to 20 Orders whole numbers less than 10 Writes whole numbers in standard and expanded form through the tens
Number and Operations in Base Ten	Number and Operations in Base Ten
<ul style="list-style-type: none"> Uses models to calculate whole number sums through 99 Adds 1-digit to multiple-digit number with no regrouping Adds 1-digit to multiple-digit number with regrouping 	<ul style="list-style-type: none"> Uses models to calculate whole number sums through 99 Adds multiple 1-digit numbers Uses strategies for addition facts (e.g., compatible numbers, counting on, doubles, neighbors, making tens) Adds 1-digit to multiple-digit number with no regrouping Adds 1-digit to multiple-digit number with regrouping Adds 2-digit numbers with no regrouping Subtracts two 1-digit numbers horizontally Subtracts a 2-digit number from a 2-digit number, with no regrouping
Number and Operations - Fractions	Number and Operations - Fractions
<i>New Vocabulary:</i> None	<i>New Vocabulary:</i> None
<i>New Signs and Symbols:</i> None	<i>New Signs and Symbols:</i> + addition, = is equal to, x multiplication, variable

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.