



# Symphony Math<sup>®</sup> Correlation

## Connecticut Mathematics Curriculum Standards

Connecticut Mathematics Curriculum Standards				Symphony Math		
Grade	Strand	#	Grade-level Expectation	Module	Activity	Levels
K	Algebraic Reasoning	1.1.2	Describe and make comparisons of qualitative and quantitative changes of a given pattern using terms such as warmer, softer, more, one more, less, one less, bigger, smaller, longer and shorter.	Quantity	Auditory Statements	1,2,3
K	Numerical & Proportional Reasoning	2.1.1	Represent quantities of up to 30 objects in a set.	Place Value	Manipulatives & Symbols	1-8, 13-14
K	Numerical & Proportional Reasoning	2.1.2	Compare sets of up to 30 objects and use the terms more, less or the same to compare the two sets and identify a set with one more or one less than a given set.	Place Value	Manipulatives	4,15
K	Numerical & Proportional Reasoning	2.1.3	Order sets of up to 30 objects from least to greatest.	Place Value	Manipulatives	4,15
K	Numerical & Proportional Reasoning	2.1.8	Count and group up to 30 objects by tens.	Place Value	Manipulatives	5
K	Numerical & Proportional Reasoning	2.1.9	Identify the numerals 1-30 and match each numeral to an appropriate set of objects.	Place Value	Manipulatives & Symbols	1-8, 13-14
K	Numerical & Proportional Reasoning	2.1.11	Write the number sentences that correspond to story problems using addition, subtraction and equals symbols (+, -, =) correctly.	Addition & Subtraction	Word Problems	1-11
K	Geometry & Measurement	3.3.9	Describe and order small sets of familiar objects by size, length or area using comparative language such as more, bigger, longer, shorter and taller.	Quantity	Manipulatives	1-3
K	Working with Data	4.2.4	Describe data using the terms more, less and the same.	Quantity	Manipulatives	1-3
1	Algebraic Reasoning	1.2.5	Model real-life situations that represent the result of counting, combining and separation of sets of objects (addition and subtraction of whole numbers) with objects, pictures, symbols and open sentences.	Addition & Subtraction	All	1-11

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Grade	Strand	#	Grade-level Expectation	Module	Activity	Levels
1	Numerical & Proportional Reasoning	2.1.1	Represent and identify whole numbers up to 100 as groups of tens and ones using models and number lines.	Place Value	Manipulatives & Symbols	1-8, 13-14
1	Numerical & Proportional Reasoning	2.1.2	Compare and order quantities of up to 100 objects, including naming a number that is one or ten more or less than a given number	Place Value	Manipulatives	15
1	Numerical & Proportional Reasoning	2.2.11	Count and group at least 100 objects by tens.	Place Value	Manipulatives	5
1	Numerical & Proportional Reasoning	2.2.12	Identify, read and write numerals to 100.	Place Value	Symbols	1-8, 13-14
1	Numerical & Proportional Reasoning	2.2.14	Solve contextual problems using all addition sums to 18 and subtraction differences from 10 with flexibility and fluency.	Addition & Subtraction	Word Problems	1-11
2	Algebraic Reasoning	1.2.6	Model real-life situations that represent the addition and subtraction of whole numbers with objects, pictures, symbols and open sentences.	Addition & Subtraction	All	1-11
2	Algebraic Reasoning	1.3.7	Demonstrate an understanding of equivalence or balance of sets using objects, models, diagrams, numbers whole number relationships (operations) and the equals sign, e.g., $2 + 3 = 5$ is the same as $5 = 2 + 3$ and the same as $4 + 1 = 5$ .	Addition & Subtraction	All	4,7,9, 10,14
2	Numerical & Proportional Reasoning	2.1.1	Locate, label, compare, and order whole numbers up to 1,000 using pictures, place value models, number lines, and benchmarks of 0, 10 and 100, including naming the number that is 10 or 100 more or less than a given number.	Place Value	Symbols	1-8, 13-15
2	Numerical & Proportional Reasoning	2.1.3	Represent multiplication and division (with factors of 1, 2, 5 and 10) using a variety of models and strategies such as arrays, pictures, skip counting, extending number patterns, and repeated addition and subtraction; describe the connection between multiplication and division.	Multiplication & Division	All	1-14
2	Numerical & Proportional Reasoning	2.2.10	Read and write numerals up to 1,000.	Place Value	Symbols Auditory Statements	1-19

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2	Numerical & Proportional Reasoning	2.2.13	Create word problems and write and solve two- and three-digit number sentences that reflect contextual situations and real-world experiences involving addition and subtraction. Construct and solve open sentences, e.g., $? + 5 = 11$ . Solve the problems using a variety of methods including models, pictures, pencil and paper, estimation and mental computation, and describe the reasoning or strategies used.	Addition & Subtraction	Word Problems	15-19
2	Numerical & Proportional Reasoning	2.2.14	Solve problems using addition and subtraction facts involving sums and differences to 20 with flexibility and fluency	Addition & Subtraction	Symbols	1-14
2	Numerical & Proportional Reasoning	2.2.15	Add two-digit numbers with and without regrouping. Subtract two-digit numbers without regrouping and with regrouping using models.	Multi-Digit Addition & Subtraction	Manipulatives	1-16
3	Algebraic Reasoning	1.3.6	Solve problems and demonstrate an understanding of equivalence using the equals sign in number sentences that reflect the commutative and associative properties of addition and multiplication of whole numbers, e.g. $3 \times 5 = 5 \times 3$ .	Addition & Subtraction Multiplication & Division	Symbols Symbols	4,7,9,10,14 6,7,13,14
3	Numerical & Proportional Reasoning	2.2.10	Recall the multiplication and division facts for 1, 2, 3, 4, 5 and 10.	Multiplication & Division	Symbols	1-14
3	Numerical & Proportional Reasoning	2.2.11	Write multiplication and division story problems to match a given multiplication or division number sentence and vice versa; solve the problems and justify the solution.	Multiplication & Division	Story Problems	1-14
3	Numerical & Proportional Reasoning	2.2.12	Solve problems involving addition and subtraction of two- and three-digit whole numbers and money amounts up to \$100.00 with and without regrouping, using a variety of strategies, including models.	Multi-Digit Addition & Subtraction	All	1-16