



Symphony Math[®] Correlation

National Council of Teachers of Mathematics Curriculum Focal Points

NCTM Curriculum Focal Points			Symphony Math		
Grade	Strand	Focal Point	Module	Activity	Levels
PK	Measurement	Understand the concept of same.	Quantity	Manipulatives	1
PK	Measurement	Understand the concept of taller.	Quantity	Manipulatives	2
PK	Measurement	Understand the concept of shorter.	Quantity	Manipulatives	3
PK	Number & Operations	Understand that number words refer to quantity.	Quantity	Manipulatives & Symbols	1-10
PK	Measurement	Solve problems by making direct comparisons of objects.	Quantity	Manipulatives	1-10
K	Number & Operations	Create a specific quantity with manipulatives.	Quantity	Manipulatives & Symbols	1-10
K	Number & Operations	Use numbers to represent quantities.	Quantity	Manipulatives & Symbols	1-10
K	Measurement	Order several objects according to height.	Quantity	Manipulatives	4-6 8-10
K	Number & Operations	Counting and producing sets of given sizes.	Quantity	Manipulatives & Symbols	1-10
K	Number & Operations	Comparing and ordering numerals.	Quantity	Symbols	1-10
K	Number & Operations	Model simple joining situations.	Addition & Subtraction	Manipulatives	1

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Grade	Strand	Focal Point	Module	Activity	Levels
K	Number & Operations	Counting the number in combined sets.	Addition & Subtraction	Manipulatives & Symbols	1,2,5,6
K	Number & Operations	Model simple separating situations.	Addition & Subtraction	Manipulatives	3
1	Number Sense	Understand the sequential order of the counting numbers and their relative magnitudes.	Quantity	Symbols	1-5
1	Number Sense	Recognizing the numbers 11 to 19 as one group of ten and particular numbers of ones.	Addition & Subtraction	Symbols	1-11
1	Number, Operations & Algebra	Model adding to.	Addition & Subtraction	Manipulatives	1,5,11,15
1	Number, Operations & Algebra	Model part-whole.	Addition & Subtraction	Manipulatives	2,7,13,16
1	Number, Operations & Algebra	Add whole numbers.	Addition & Subtraction	Symbols	1,2,5,7,8,11,13
1	Number, Operations & Algebra	Model take away from.	Addition & Subtraction	Manipulatives	3,6,12,18
1	Number, Operations & Algebra	Use commutative property of addition to add whole numbers.	Addition & Subtraction	Symbols	4,8,9,10,15
1	Number, Operations & Algebra	Subtracting whole numbers.	Addition & Subtraction	Symbols	3,6,12,18
1	Number, Operations & Algebra	Relating addition and subtraction as inverse operations.	Addition & Subtraction	Symbols	4,9,15
1	Number & Operations	Compare and order whole numbers to 100.	Place Value	Symbols	5,10
1	Number & Operations	Understand numbers between 10 and 100 in terms of tens and ones.	Place Value	Symbols	6

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Grade	Strand	Focal Point	Module	Activity	Levels
2	Number, Operations & Algebra	Quick recall of addition facts (up to sums of 20).	Addition & Subtraction	Symbols	1,2,5,7,8,11,13
2	Number, Operations & Algebra	Quick recall of subtraction facts (up to minuends of 20).	Addition & Subtraction	Symbols	3,6,12,18
2	Number, Operations & Algebra	Understand the concept of grouping objects by equal sized units.	Multiplication & Division	Manipulatives	3,10
2	Measurement	Understand the inverse relationship between the size of a measurement unit and the number of units used in a particular measurement.	Multiplication & Division	Manipulatives	1-3
2	Number, Operations & Algebra	Understand the concept of partitioning an object into equal sized units.	Multiplication & Division	Manipulatives	4,11
2	Number & Operations	Understand the base-ten numeration system and place value concepts to 1,000.	Place Value	Symbols	1-18
2	Number & Operations	Counting in 1's, 10's, and 100's.	Place Value	Symbols	1,6,11
2	Number & Operations	Understand multidigit numbers in terms of place value.	Place Value	Symbols	15-18
2	Number & Operations	Use place value to create equivalent representations of given numbers.	Place Value	Manipulatives	3,8,13
2	Number & Operations	Compose multidigit numbers.	Place Value	Symbols	2,7,12
2	Number & Operations	Decompose multidigit numbers.	Place Value	Symbols	3,8,13
2	Number, Operations & Algebra	Develop, discuss, and use efficient, accurate, and generalizable methods to add and subtract multidigit whole numbers.	Multi-Digit Addition & Subtraction	All	1-24

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2	Number, Operations & Algebra	Develop fluency with efficient procedures, including standard algorithms, for adding and subtracting whole numbers, understand why the procedures work (on the basis of place value and the properties of operations), and use them to solve problems.	Multi-Digit Addition & Subtraction	Symbols	1-24
3	Number, Operations & Algebra	Understand the meaning of multiplication through the use of representations.	Multiplication & Division	Manipulatives & Symbols	1-4, 9-11
3	Number, Operations & Algebra	Understand the meaning of division through the use of representations.	Multiplication & Division	Manipulatives & Symbols	5-8, 12-14
3	Number, Operations & Algebra	Understand the commutative property of multiplication.	Multiplication & Division	Symbols	6,7,13, 14
3	Number, Operations & Algebra	Relate multiplication and division as inverse operations.	Multiplication & Division	Symbols	6,13