



Math Teachers Press, Inc.

4850 Park Glen Road, Minneapolis, MN 55416
 phone (800) 852-2435 fax (952) 546-7502

VIRGINIA MATHEMATICS STANDARDS OF LEARNING CORRELATED TO MOVING WITH MATH-BY-TOPIC LEVEL A - GRADE 1

		Lesson Plan/ Student Book	Skill Builders
NUMBER AND NUMBER SENSE			
1.1	The student will		
a.	count forward orally by ones to 110, starting at any number between 0 and 110;	AI: 13, 34, 42	9-2
b.	write the numerals 0 to 110 in sequence and out-of-sequence;	AI: 5, 11, 12, 23, 24, 34	9-2
c.	count backward orally by ones when given any number between 1 and 30;		
d.	count forward orally by ones, twos, fives, and tens to determine the total number of objects to 110.	AI: 6, 29 All: 71, 72	30-1
1.2	The student, given up to 110 objects, will		
a.	group a collection into tens and ones and write the corresponding numeral;	AI: 22, 31	4-2, 4-3, 4-4, 4-5
b.	compare two numbers between 0 and 110 represented pictorially or with concrete objects, using the words <i>greater than</i> , <i>less than</i> or <i>equal to</i> ; and	AI: 14-17, 27, 37	3-1
c.	order three or fewer sets from least to greatest and greatest to least.		
1.3	The student, given an ordered set of ten objects and/or pictures, will indicate the ordinal position of each object, first through tenth.	AI: 60, 61	13-1, 13-2
1.4	The student will		
a.	represent and solve practical problems involving equal sharing with two or four sharers; and	All: 74, 75	31-1
b.	represent and name fractions for halves and fourths, using models.	All: 29-32	41-1, 42-1, 42-3
1.5	The student, given a familiar problem situation involving magnitude, will		
a.	select a reasonable order of magnitude from three given quantities: a one-digit numeral, a two-digit numeral, and a three-digit numeral (e.g., 5, 50, 500); and		
b.	explain the reasonableness of the choice.		
COMPUTATION AND ESTIMATION			
1.6	The student will create and solve single-step story and picture problems using addition and subtraction within 20.	All: 4, 12, 62-66	27-1, 27-2, 28-1, 28-2, 28-3, 29-1 to 29-6
1.7	The student will		
a.	recognize and describe with fluency part-whole relationships for numbers up to 10; and	All: 9, 13, 18	15-5, 26-9
b.	demonstrate fluency with addition and subtraction within 10.	All: 11, 19, 29	15-1 to 15-5, 16-1 to 16-9, 18-2, 19-2

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MEASUREMENT AND GEOMETRY			
1.8	The student will determine the value of a collection of like coins (pennies, nickels, or dimes) whose total value is 100 cents or less.	AIII: 38-40	46-1, 46-2, 47-1, 47-2
1.9	The student will investigate the passage of time and		
a.	tell time to the hour and half-hour, using analog and digital clocks; and	AIII: 47, 50, 51	49-1
b.	read and interpret a calendar.	AIII: 52	49-3
1.10	The student will use nonstandard units to measure and compare length, weight, and volume.	AIII: 53, 54	
1.11	The student will		
a.	identify, trace, describe, and sort plane figures (triangles, squares, rectangles, and circles) according to number of sides, vertices, and right angles; and	AIII: 12-19	37-1, 38-1, 39-1, 40-1
b.	identify and describe representations of circles, squares, rectangles, and triangles in different environments, regardless of orientation, and explain reasoning.	AIII: 12, 15-17, 19	37-1, 38-1, 39-1, 40-1
PROBABILITY AND STATISTICS			
1.12	The student will		
a.	collect, organize, and represent various forms of data using tables, picture graphs, and object graphs; and	AI: 78 AIII: 75-77	50-4, 50-6
b.	read and interpret data displayed in tables, picture graphs, and object graphs, using the vocabulary <i>more</i> , <i>less</i> , <i>fewer</i> , <i>greater than</i> , <i>less than</i> , and <i>equal to</i> .	AIII: 76, 77	50-7
PATTERNS, FUNCTIONS, AND ALGEBRA			
1.13	The student will sort and classify concrete objects according to one or two attributes.	AI: 63 AIII: 21, 25	43-1, 44-1
1.14	The student will identify, describe, extend, create, and transfer growing and repeating patterns.	AI: 65-67	14-1, 14-2
1.18	The student will demonstrate an understanding of equality through the use of the equal symbol.	AIII: 16, 17, 32	
AI: Numeration			
All: Addition & Subtraction			
AIII: Fractions, Geometry & Measurement			