



# Math Teachers Press, Inc.

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

1/07

## NORTH CAROLINA COURSE OF STUDY CORRELATED TO MOVING WITH MATH® FOUNDATIONS B GRADE 3

	B1 Number Sense, Addition & Subtraction Student Book Skill Builders (SB)	B2 Multiplication & Division Facts Student Book Skill Builders (SB)	B3 Multiplication & Division - Problem Solving Student Book Skill Builders (SB)	B4 Fractions, Decimals, Geometry & Measurement Student Book Skill Builders (SB)
<b>STRANDS: NUMBER AND OPERATIONS, MEASUREMENT, GEOMETRY, DATA ANALYSIS AND PROBABILITY, ALGEBRA</b>				
<b>Competency Goal 1: The learner will model, identify, and compute with whole numbers through 9,999.</b>				
<b>1.01</b> Develop number sense for whole numbers through 9,999.	20, 21 <b>SB:</b> 4-1, 4-2, 5-1, 5-2			
<b>a.</b> Connect model, number word, and number using a variety of representations.	2-4, 15, 17 <b>SB:</b> 6-1, 6-2			
<b>b.</b> Build understanding of place value (ones through thousands).	5, 6, 16, 19 <b>SB:</b> 2-2, 2-3			
<b>c.</b> Compare and order.				
<b>1.02</b> Develop fluency with multi-digit addition and subtraction through 9,999 using:				

		<b>B1</b> <i>Number Sense, Addition &amp; Subtraction</i> Student Book Skill Builders (SB)	<b>B2</b> <i>Multiplication &amp; Division Facts</i> Student Book Skill Builders (SB)	<b>B3</b> <i>Multiplication &amp; Division - Problem Solving</i> Student Book Skill Builders (SB)	<b>B4</b> <i>Fractions, Decimals, Geometry &amp; Measurement</i> Student Book Skill Builders (SB)
<b>a.</b>	Strategies for adding and subtracting numbers.	32-37, 43-46 <b>SB:</b> 10-5, 10-6, 10-10, 15-5			
<b>b.</b>	Estimation of sums and differences in appropriate situations.	60, 61 <b>SB:</b> 10-14, 15-16			
<b>c.</b>	Relationships between operations.	49 <b>SB:</b> 15-10			
<b>1.03</b>	Develop fluency with multiplication from 1 x 1 to 12 x 12 and division up to two-digit by one-digit numbers using:				
<b>a.</b>	Strategies for multiplying and dividing numbers.		5, 8, 9, 12-16, 22-25, 45, 48, 51, 62, 64-68 <b>SB:</b> 20-3, 20-5, 20-7, 20-8, 25-1, 25-2, 25-3	2-13, 42-49, 57 <b>SB:</b> 20-20, 20-22, 20-24, 20-34, 25-21, 26-9	
<b>b.</b>	Estimation of products and quotients in appropriate situations.		59 <b>SB:</b> 21-2	23, 34 <b>SB:</b> 21-6, 21-7, 26-13	
<b>c.</b>	Relationships between operations.		26, 31, 32, 63 <b>SB:</b> 25-4, 25-7, 25-9	44, 49 <b>SB:</b> 25-20	
<b>1.04</b>	Use basic properties (identity, commutative, associative, order of operations) for addition, subtraction, multiplication, and division.	27, 28 <b>SB:</b> 9-1, 9-2	10, 13, 29, 54 <b>SB:</b> 20-6, 20-9, 20-17, 25-5	4, 6, 16, 45 <b>SB:</b> 20-21, 20-23, 20-32, 25-17	
<b>1.05</b>	Use area or region models and set models of fractions to explore part-whole relationships.				

		<b>B1</b> <i>Number Sense, Addition &amp; Subtraction</i> Student Book Skill Builders (SB)	<b>B2</b> <i>Multiplication &amp; Division Facts</i> Student Book Skill Builders (SB)	<b>B3</b> <i>Multiplication &amp; Division - Problem Solving</i> Student Book Skill Builders (SB)	<b>B4</b> <i>Fractions, Decimals, Geometry &amp; Measurement</i> Student Book Skill Builders (SB)
<b>a.</b>	Represent fractions concretely and symbolically (halves, fourths, thirds, sixths, eighths).				2-6 <b>SB:</b> 30-1, 30-2, 30-3, 30-5
<b>b.</b>	Compare and order fractions (halves, fourths, thirds, sixths, eighths) using models and benchmark numbers (zero, one-half, one); describe comparisons.				12-15 <b>SB:</b> 32-1, 32-2, 32-4
<b>c.</b>	Model and describe common equivalents, especially relationships among halves, fourths, and eighths, and thirds and sixths.				14 <b>SB:</b> 32-3
<b>d.</b>	Understand that the fractional relationships that occur between zero and one also occur between every two consecutive whole numbers.				20
<b>e.</b>	Understand and use mixed numbers and their equivalent fraction forms.				20-22 <b>SB:</b> 34-6
<b>1.06</b>	Develop flexibility in solving problems by selecting strategies and using mental computation, estimation, calculators or computers, and paper and pencil.	67	33-38 <b>SB:</b> 26-5, 26-6, 29-1	51, 76 <b>SB:</b> 23-3, 26-12	
	<b>Competency Goal 2: The learner will recognize and use standard units of metric and customary measurement.</b>				
<b>2.01</b>	Solve problems using measurement concepts and procedures involving:				
<b>a.</b>	Elapsed time.				51 <b>SB:</b> 41-2
<b>b.</b>	Equivalent measures within the same measurement system.				58, 63, 64 <b>SB:</b> 44-1, 44-2, 45-1

		<b>B1</b> <i>Number Sense, Addition &amp; Subtraction</i> Student Book Skill Builders (SB)	<b>B2</b> <i>Multiplication &amp; Division Facts</i> Student Book Skill Builders (SB)	<b>B3</b> <i>Multiplication &amp; Division - Problem Solving</i> Student Book Skill Builders (SB)	<b>B4</b> <i>Fractions, Decimals, Geometry &amp; Measurement</i> Student Book Skill Builders (SB)
<b>2.02</b>	Estimate and measure using appropriate units.				
<b>a.</b>	Capacity (cups, pints, quarts, gallons, liters). Length (miles, kilometers).				56, 57, 60, 62, 63 <b>SB:</b> 43-3, 43-5, 44-2, 44-3, 45-2
<b>b.</b>	Mass (ounces, pounds, grams, kilograms).				59, 64 <b>SB:</b> 44-2, 44-3, 45-2
<b>c.</b>	Temperature (Fahrenheit, Celsius).				53 <b>SB:</b> 42-3
	<b>Competency Goal 3: The learner will recognize and use basic geometric properties of two- and three-dimensional figures.</b>				
<b>3.01</b>	Use appropriate vocabulary to compare, describe, and classify two- and three-dimensional figures.				35-39, 46-48 <b>SB:</b> 37-3 to 37-8, 40-1, 40-3
<b>3.02</b>	use a rectangular coordinate system to solve problems.				
<b>a.</b>	Graph and identify points with whole number and/or letter coordinates.	12, 13 <b>SB:</b> 48-1, 48-2, 48-3			71-73 <b>SB:</b> 48-6
<b>b.</b>	Describe the path between given points on the plane.	13 <b>SB:</b> 48-3			72, 73 <b>SB:</b> 48-7
	<b>Competency Goal 4: The learner will understand and use data and simple probability concepts.</b>				

		<b>B1</b> <i>Number Sense, Addition &amp; Subtraction</i> Student Book Skill Builders (SB)	<b>B2</b> <i>Multiplication &amp; Division Facts</i> Student Book Skill Builders (SB)	<b>B3</b> <i>Multiplication &amp; Division - Problem Solving</i> Student Book Skill Builders (SB)	<b>B4</b> <i>Fractions, Decimals, Geometry &amp; Measurement</i> Student Book Skill Builders (SB)
<b>4.01</b>	Collect, organize, analyze, and display data (including circle graphs and tables) to solve problems.	68 SB: 50-4	46 SB: 50-5		
<b>4.02</b>	Determine the number of permutations and combinations of up to three items.		7 SB: 49-1		76 SB: 49-2, 49-3
<b>4.03</b>	Solve probability problems using permutations and combinations.				74 SB: 49-4
	<b>Competency Goal 5: The learner will recognize, determine, and represent patterns and simple mathematical relationships.</b>				
<b>5.01</b>	Describe and extend numeric and geometric patterns.	10 SB: 3-2			
<b>5.02</b>	Extend and find missing terms of repeating and growing patterns.	14 SB: 3-2			
<b>5.03</b>	Use symbols to represent unknown quantities in number sentences.	38, 52, 53 SB: 14-2, 19-6, 19-7	19, 69 SB: 24-1, 26-6	10, 40 SB: 20-27	
<b>5.04</b>	Find the value of the unknown in a number sentence.	38, 52, 53 SB: 14-2, 19-6, 19-7	19, 69 SB: 24-1, 26-6	10, 40 SB: 20-27	