Math Teachers Press, Inc.

NORTH CAROLINA COURSE OF STUDY CORRELATED TO
MOVING WITH MATH® INTERMEDIATE/MIDDLE (IM) GRADE 5

		IM1 *Number, Reasoning, Data* Student Book Skill Builders (SB)	IM2 *Fractions, Decimals, Percent* Student Book Skill Builders (SB)	IM3 *Geometry, Measurement, Graphing* Student Book Skill Builders (SB)
	STRANDS: NUMBER AND OPERATIONS, MEASUREMENT, GEOMETRY, DATA ANALYSIS AND PROBABILITY, ALGEBRA			
	Competency Goal 1: The learner will understand and compute with non-negative rational numbers.			
1.01	Develop number sense for rational numbers 0.001 through 999,999.	2, 3 **SB:** 1-2, 1-3	46 **SB:** 21-2	
a.	Connect model, number word, and number using a variety of representations.	6 **SB:** 2-1, 2-2	41-43, 46 **SB:** 21-2, 21-3, 22-1	
b.	Build understanding of place value (thousandths through hundred thousands).	4 **SB:** 1-1 to 1-3	45 **SB:** 23-1	
c.	Compare and order rational numbers.	7, 8, 66 **SB:** 2-3, 2-4, 59-3	10, 11, 49, 51 **SB:** 13-1, 13-2, 13-5, 24-1, 24-2	
d.	make estimates of rational numbers in appropriate situations.	53 **SB:** 45-8, 45-13	12, 24, 54, 55 **SB:** 13-3, 18-3, 18-4	
1.02	Develop fluency in adding and subtracting non-negative rational numbers (halves, fourths, eighths; thirds, sixths, twelfths; fifths, tenths, hundredths, thousandths; mixed numbers).		14-23 **SB:** 15-1 to 15-3, 16-1 to 16-4, 17-1 to 17-4, 18-1, 18-2, 26-2 to 26-4	
a.	Develop and analyze strategies for adding and subtracting numbers.	23-26, 68, 69 **SB:** 6-1 to 6-3, 7-1 to 7-4, 59-5 to 59-7	14-23, 54	
b.	Estimate sums and differences.	27, 28 **SB:** 49-1, 49-2	25, 56 **SB:** 49-1	

		IM1 *Number, Reasoning, Data* Student Book Skill Builders (SB)	IM2 *Fractions, Decimals, Percent* Student Book Skill Builders (SB)	IM3 *Geometry, Measurement, Graphing* Student Book Skill Builders (SB)
c.	judge the reasonableness of solutions.	29, 49 **SB:** 9-3, 10-4, 45-5	26, 56, 65	
1.03	Develop flexibility in solving problems by selecting strategies and using mental computation, estimation, calculators or computers, and paper and pencil.	28-31, 34, 39, 48, 53, 54, 58 **SB:** 45-1, 45-7 to 45-11, 45-13, 45-14, 50-3	26, 27, 35, 36, 64-66 **SB:** 45-1 to 45-14	
	Competency Goal 2: The learner will recognize and use standard units of metric and customary measurement.			
2.01	Estimate the measure of an object in one system given the measure of that object in another system.			
2.02	Identify, estimate, and measure the angles of plane figures using appropriate tools.			6, 25 **SB:** 33-1, 37-1 to 37-3
	Competency Goal 3: The learner will understand and use properties and relationships of plane figures.			
3.01	Identify, define, describe, and accurately represent triangles, quadrilaterals, and other polygons.			7-9 **SB:** 32-4, 34-1 to 34-5
3.02	Make and test conjectures about polygons involving:			27 **SB:** 34-4
a.	Sum of the measure of interior angles.			27 **SB:** 55-2, 55-3
b.	lengths of sides and diagonals.			10
c.	parallelism and perpendicularity of sides and diagonals.			9 **SB:** 34-4
3	Classify plane figures according to types of symmetry (line, rotational).			17, 20 **SB:** 60-1
3.04	Solve problems involving the properties of triangles, quadrilaterals, and other polygons.			25-27 **SB:** 32-4
a.	Sum of the measures of interior angles.			25-27 **SB:** 55-1
b.	Lengths of sides and diagonals.			10, 64

		IM1 *Number, Reasoning, Data* Student Book Skill Builders (SB)	IM2 *Fractions, Decimals, Percent* Student Book Skill Builders (SB)	IM3 *Geometry, Measurement, Graphing* Student Book Skill Builders (SB)
c.	Parallelism and perpendicularity of sides and diagonals.			9
	Competency Goal 4: The learner will understand and use graphs and data analysis.			
4.01	Collect, organize, analyze, and display data (including stem-and-leaf plots) to solve problems.	61 SB: 46-5		66-76 **SB:** 47-1 to 47-6, 48-1 to 48-5
4.02	Compare and contrast different representations of the same data; discuss the effectiveness of each representation.			76 **SB:** 48-4, 48-5
4.03	Solve problems with data from a single set or multiple sets of data using median, range, and mode.	59-62 **SB:** 46-1 to 46-4		65 **SB:** 46-1
	Competency Goal 5: The learner will demonstrate an understanding of patterns, relationships, and elementary algebraic representations.			
5.01	Describe, extend, and generalize numeric and geometric patterns using tables, graphs, words, and symbols.	73-75 **SB:** 44-1 to 44-3, 44-6	**SB:** 44-1	21, 22 **SB:** 44-2, 44-3
5.02	Use algebraic expressions, patterns, and one-step equations and inequalities to solve problems.	70-72 **SB:** 56-1 to 56-3		**SB:** 56-1, 56-2
5.03	Identify, describe, and analyze situations with constant or varying rates of change.	78 **SB:** 44-4, 44-5		