

3rd Grade Math Pacing Guide

2009-2010-Saxon Math

First Nine Weeks

Objective	Competency	DOK	Date Taught	Assessment
1a	Compose and decompose four-digit whole numbers with representations in words, physical models, and expanded and standard forms.	1		
1b	Compare and order four-digit numbers using $<$, $>$, and $=$, and justify reasoning.	2		
1c	Estimate sums and differences of whole numbers to include strategies such as rounding.	2		
1d	Identify and model representations of fractions (halves, thirds, fourths, fifths, sixths and eighths)	1		
1e	Add (up to three addends) and subtract four-digit whole numbers with and without regrouping.	1		
1f	Model multiplication using arrays, equal-sized groups, area models, and equal-sized moves on the number line.	2		
1g	Model division with successive or repeated subtraction, partitioning, and sharing.	2		
2a	Create, describe, and extend growing and repeating patterns with physical materials and symbols including numbers.	2		
2b	Determine the value of missing quantities or variables within equation or number sentences, and justify the process used.	2		
2c	Use real number properties to develop multiple algorithms and to solve problems.	2		
2d	Model and identify the inverse relationships of addition/subtraction.	2		
2e	Create models for the concept of equality, recognizing that the equal sign ($=$) denotes equivalent terms such that $4+3=7$, $4+3=6+1$ or $7=5+2$	1		
3a	Describe, compare, analyze, and classify two-dimensional shapes by sides and angles.	1		
3b	Explain and describe the process of decomposing, composing, and transforming polygons.	2		
3c	Create three-dimensional shapes (prisms and pyramids) from two-dimensional nets, and create two-dimensional nets from prisms and pyramids.	2		
4a	Develop and use methods to find perimeter of polygons and to solve problems involving perimeter.	2		
4b	Estimate and measure length using fractional parts to the nearest half inch in the English system.	2		

4c	Measure capacity, weight/mass, and length in both English and metric systems of measurement.	1		
5a	Compare data and interpret quantities represented on tables and different types of graphs (line plots, pictographs, and bar graphs), make predictions and solve problems based on the information.	3		
5b	Analyze, predict, and model the number of different combinations of two or more objects and relate to multiplication.	2		

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