

GRADE 3 MATHEMATICS INSTRUCTIONAL GUIDE 2009

4.1 Number & Operations					
CUMULATIVE PROGRESS INDICATORS	Key Skill/ Knowledge	Review	Intro	INVESTIGATIONS UNITS 2008 ed. or newer as available	OTHER RESOURCES
A. Number Sense					
1. Use real life experiences, physical materials and technology to construct meanings for numbers (unless otherwise noted, all indicators for Grade 3 pertain to these sets of numbers as well). <ul style="list-style-type: none"> • Whole numbers through hundred thousands • Commonly used fractions (denominators of 2, 3, 4, 5, 6, 8, 10) as part of a whole, as subset of a set, and as a location on a number line. 	X X			Unit 1, Trading Stickers, Inv. 1, 2 Unit 8, How Many Hundreds Inv. 1	Lessons for Introducing Fractions, Marilyn Burns 50 Problem Solving Lessons, Marilyn Burns, pp. 65-68 http://www.beaconlearningcenter.com/WebLessons http://www.beaconlearningcenter.com/WebLessons 50 Problem solving Lesson, pp. 43-45; pp. 55-56
2. Demonstrate an understanding of whole number concepts.	X			Unit 1, Trading Stickers, Inv. 1	
3. Explore the extension of the place value system to decimals through hundredths	X			Unit 7, Fair Shares, Inv. 1	
4. Understand the various uses of numbers. <ul style="list-style-type: none"> • Counting, measuring, labeling (e.g., numbers on baseball uniforms) 		X		Unit 3, Collections and Travel Stories, Inv. 1, 2	
5. Compare and order numbers	X			Unit 3, Collections and Travel Stories, Inv. 1, 2	ActivBoard Activities Explorer: Number Order
B. Numerical Operations					
1. Develop the meanings of the four					