

	Big Ideas	Kindergarten	First Grade	Second Grade	Third Grade
Develop Number Sense	Understand Reasonableness	<i>Blow Your House Down</i> K.7B	<i>When 5 is Big</i> 1.1D	<i>Is it Reasonable?</i> 2.1D, 2.2D	<i>That's Crazy</i> 3.1D
	Algebraic Thinking	<i>Finish my Set</i> K.3B	<i>Where Did I Start?</i> 1.5F	<i>Input and Output</i> 2.7C	<i>Parts Unknown</i> 3.5D
	Estimation (related to measurement)	<i>In Ten Seconds</i> K.2C, K.2G	<i>Measure Your Steps</i> 1.7B, 1.7D	<i>Three Questions</i> 2.9E	<i>Cooking Estimation</i> 3.7D
Develop Meanings for Operations	Create word problems	<i>In My Pond, Part 1</i> K.3A, K.3B	<i>Restaurant Story Problems</i> 1.3B, 1.3F	<i>What's the Question?</i> 2.4D	<i>The Answer Is</i> 3.4A, 2.4D
	Solve word problems	<i>Putting Away Dishes</i> K.3A	<i>The Final Price Is</i> 1.3E, 1.3A	<i>Table Times</i> 2.6A	<i>Price per Pound</i> 3.4E
Build Strategies for Whole-Number Computation	Mental Math	<i>One Less</i> K.2F	<i>Ten More</i> 1.3A, 1.5B, 1.5C	<i>One Hundred More</i> 2.7A	<i>Now is the Time</i> 3.7C
	Composing and decomposing numbers	<i>What's Left?</i> K.2B	<i>Stacking Pennies</i> 1.2B, 1.4C	<i>What's in a Dollar</i> 2.5A	<i>Broken Calculator Keys</i> 3.2A
	Flexibility with numbers	<i>Give Me Five</i> K.2I	<i>Ten Scoops</i> 1.3C, 1.5G	<i>All About My Number</i> 2.2A, 2.2B	<i>An Array of Brownies</i> 3.4E
Develop Whole-Number and Place-Value Concepts	Compare and order numbers	<i>Biggest Number</i> K.2H, K.2B	<i>Greater Than</i> 1.2E, 1.2G	<i>Less Than</i> 2.2D	<i>Round Showdown</i> 3.2C
	Represent numbers	<i>Three Ways to Show a Number</i> K.2B	<i>I'm Thinking of a Number</i> 1.2F	<i>Mystery Number</i> 2.2E	<i>Fractions on a Number Line</i> 3.3A
	Number Relationships	<i>More or Less</i> K.2E	<i>How many Tens in 50?</i> 1.4C	<i>Even or Odd?</i> 2.7A	<i>Say It a Different Way</i> 3.5C

Master the Basic Facts	Build Fluency	<i>Cats and Dogs</i> K.3A, K.3B	<i>Double Down</i> 1.3D, 1.3E	<i>Coupon Savings</i> 2.4B	<i>Product Practice</i> 3.4F
	Automaticity	<i>Quick Dots</i> K.2D	<i>Domino Addition</i> 1.3D	<i>Domino Subtraction</i> 2.4A, 1.5F, 1.5G	<i>Domino Division</i> 3.4J
Shapes and Fractions	Attributes of Shapes	<i>Is it a Triangle</i> K.6E, K.6F	<i>Canned</i> 1.6E	<i>Mystery Shape</i> 2.8A, 2.8E	<i>Shape Up!</i> 3.3C, 3.6E
	Partition Fractions	<i>Snack Fractions</i> K.1A	<i>Folding Napkins</i> 1.6G	<i>Counting Fractions</i> 2.3C	<i>Sharing an Apple</i> 3.3F

Research Base:

- Van de Walle, Lovin, Karp, and Bay-Williams (2014) Teaching student-centered mathematics: Developmentally appropriate instruction for grades PreK-2. Upper Saddle River, NJ: Pearson.
- Kirkpatrick, Swafford, and Findell (2001) Adding it up: Helping children learn mathematics. Washington, DC: National Academy of Sciences.

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