

Grade 3

OBJECTIVE	SUGGESTED MANIPULATIVES
Multiplication Concepts	<u>How Many Legs game mats</u> , graph paper, dry erase materials, square tiles, counters, linking cubes, number line
Division Concepts	Linking cubes, counting cubes, dry-erase materials, number lines
Multiplication and Division Relationships	<u>Fruit Monster game mats</u> , linking cubes, counting cubes, dry-erase materials, number lines
Rounding Three-Digit Numbers	Number lines, base 10 blocks,
Place Value Bundles	<u>Building Blocks game mat</u> , place value blocks, dry-erase materials, place value chart
Addition and Subtraction with Regrouping	Base 10 blocks, graph paper, dry-erase materials, place value chart
Multiplication and Area	Graph paper, square tiles
Properties of Multiplication	Linking cubes, graph paper, base 10 blocks, dry-erase materials
Multiplication Facts and Strategies	<u>How Many Legs game mats</u> , linking cubes, something to count, counting cubes, dry-erase materials, number lines
Division Facts and Strategies	Linking cubes, something to count, counting cubes, dry-erase materials, number lines
Fraction Concepts	Fraction tiles, fraction circles, dry-erase materials, number lines
Fractions on the Number Line	<u>Fractions on the Number Line game mat</u> , fraction tiles, fraction circles, dry-erase materials, number lines
Fraction Equivalence and Ordering	Fraction tiles, fraction circles, dry-erase materials, number lines
Number Patterns	Hundreds chart, linking cubes, dry-erase materials, multiplication chart
Mass and Volume	Volume cubes, linking cubes, dry-erase materials

Grade 3 objectives continued on the next page

Grade 3 continued

OBJECTIVE	SUGGESTED MANIPULATIVES
Solve Two-Step Problems	Pie Monster game mats, <u>How Many Legs game mats</u> , something to count (cubes, tiles, counters, etc.), graph paper, dry-erase materials
Area and Perimeter	Graph paper, square tiles, multiplication chart
Time to the Minute	Judy® clock
Intervals of Time	Judy® clock, number line
Scale and Measurement in Graphing	Linking cubes, graph paper, dry-erase materials
Line Plots	Number lines, dry-erase materials, linking cubes
Shape Attributes	Foam shapes, scratch paper, graph paper