

List of Lessons and Intended Grade Levels

Lesson Name	Topic	Intended Grade	Page
Making Associations Between the Rods and Numbers			
Roll It, Find It!	Matching numerals to rods	3+	7
Name It!	Matching numerals to rods	3+	8
Two Can Play at That Game!	Modelling Addition, Preservation of equality	3+	9
What's the Difference?	Missing addends, Solving for Unknowns	3+	10
What's the Difference? Part 2	Subtraction by comparison	3+	10
Measurement Explorations			
The Referent Game	Estimating lengths	3,4	11
Find Something	Estimating lengths	3,4	11
Measure It!	Standard units of measure	3,4	12
Multiplicative Thinking			
Skip Counting – Handfuls	Skip counting, multiplication	3,4,5	13
Roll and Skip Count!	Skip counting, multiplication	3,4,5	14
Roll and Multiply	Skip counting, multiplication	3,4,5	15
This and That - The Associative Property	Multiplication, Area, Associative Property	3,4,5	15
Multiplying Larger Numbers - The Distributive Property	Multiplication, Distributive Property	4,5,6,7	17
Common Multiplies - The Line It Up Game	Multiplication, Associative Property, LCM	4,5,6	19
Fractional Thinking			
What Makes a Half?	Fractions of a whole	3,4,5	24
Fractions of a Whole - How Many Ways?	Fractions of a whole, Adding fractions - like denominators	3,4,5	26
Fractions of a Whole - Decimal Connections	Connecting fractions and decimals, adding decimals	4,5	27

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Fractional Thinking Continued			
It's All About Relationships	Ratio and proportionality	4,5,6	29
Fractions of a Whole - Equivalent Fractions	Equivalent fractions, Adding fractions - like denominators	3,4,5	31
Improper Fractions and Mixed Numerals	Improper Fractions and Mixed numerals	4,5,6	35
Plotting Fractions on a Number Line	Representing fractions and mixed numerals	4,5,6	39
Comparing Fractions with Different Denominators	Representing fractions and mixed numerals	4,5,6	41
Comparing Fractions on a Number Line	Comparing and ordering fractions on a number line	4,5,6,7	43
Equivalent Fractions & Equivalent Ratios	Comparing fractions, Comparing ratios	5,6,7	45
Comparing Fractions and Comparing Ratios	Comparing fractions, Comparing ratios	5,6,7	47
Problem-solving with Proportionality	Comparing fractions, Comparing ratios	5,6,7	52
Subtracting Fractions	Comparing fractions, Subtracting fractions	6,7,8	54
Adding Fractions	Adding fractions	6,7,8	56
Connecting Fractions and Division			
Fractions of a Set	Fractions of a set, Proportional thinking	4,5	60
From Division to Mixed Numerals	Division with remainders Fractional remainders	4,5,6	64
Long Division - The Successive Subtraction Method	Division with remainders, Fractional remainders	4,5,6,7	69