

RightStart D

Class Description: The philosophy behind RightStart Math is that 95% of what students learn in math should be understood, and only 5% memorized. Visualization tools, games, the abacus, and other strategies and methods are utilized in order for the student to really understand the math. In RightStart Level D, multiplication, simple division, and fractions are the primary focus. The student works with numbers to one million and works with linear and square units in both the U.S. Customary and the metric systems. Using a drawing board and tools, the student explores symmetry, angles, and various geometric shapes.

Learning Materials:

Main Curriculum:

RightStart™ Mathematics Level D Lessons

RightStart™ Mathematics Level D Worksheets

RightStart™ Mathematics Transition Lessons

RightStart™ Mathematics Transition Worksheets

Supplemental:

Thousand Cubes

4-Inch Geared Mini-Clock

Abacus Tiles

AL Abacus Standard

Cards for Math Games

Centimeter Cubes

Folding Meter Stick

Fraction Charts

Math Card Games, 5th edition

Place Value Cards

Right Start Colored Tiles (Set of 200)

Right Start Drawing Set

Learning Goals/Performance Objectives: 3.1.C Fluently and accurately add and subtract whole numbers using the standard regrouping algorithms.

3.2.A Represent multiplication as repeated addition, arrays, counting by multiples, and equal jumps on the number line, and connect each representation to the related equation.

3.2.H Solve single- and multi-step word problems involving multiplication and division and verify the solutions.

3.3.A Represent fractions that have denominators of 2, 3, 4, 5, 6, 8, 9, 10, and 12 as parts of a whole, parts of a set, and points on the number line.

3.4.D Measure and calculate perimeters of quadrilaterals.

3.5.C Estimate, measure, and compare weight and mass using appropriate-sized U.S. customary and metric units.

3.6.C Identify missing information that is needed to solve a problem.

Learning Activities: The student will work on approximately one lesson every 1-2 days. Using a drawing board and tools, students explore symmetry, angles, and various geometric shapes. Assessments are built into the curriculum.

RightStart Math Level D Table of Contents

Lesson 1 The Months of the Year

Lesson 2 Calendar for One Year

Lesson 3 Calendars for the Next Year

Lesson 4 Birthday Graphs

Lesson 5 Even Numbers for Sums

Lesson 6 Reviewing Addition Strategies and Facts

Lesson 7 Working With Sums

Lesson 8 Corners Game

Lesson 9 Addition Practice

Lesson 10 Adding Time

Lesson 11 Finding Perimeter in Inches

Lesson 12 Review and Practice

Lesson 13 Finding Perimeter in Feet and Inches

Lesson 14 Finding Halves and Fourths

Lesson 15 Adding Halves and Fourths

Lesson 16 Quarters of an Hour

Lesson 17 Fractions of a Dollar

Lesson 18 Review and Practice

Lesson 19 Adding Money as Fractions

Lesson 20 Making Change Different Ways

Lesson 21 Gallons and Quarts

Lesson 22 Gallon Problems

Lesson 23 Musical Notes

Lesson 24 Review and Practice

Lesson 25 Degrees in a Circle

Lesson 26 Skip Counting Patterns

Lesson 27 Multiplying with Multiples

Lesson 28 Adding the Same Number

Lesson 29 Continuing Geometric Patterns

Lesson 30 Review and Practice

Lesson 31 Continuing Numeric Patterns

Lesson 32 Subtracting by Going Up

Lesson 33 Subtracting by Going Down

Lesson 34 Reviewing Subtraction Strategies

Lesson 35 More Subtraction Strategies

Lesson 36 Review and Practice (First quarter test can be given)
Lesson 37 Adding Hours
Lesson 38 Subtracting Hours and Minutes
Lesson 39 Trading Between Inches and Feet
Lesson 40 Reviewing Place Value Names
Lesson 41 Place Value Problems
Lesson 42 Review and Practice
Lesson 43 Subtracting by Compensating
Lesson 44 Multidigit Subtraction
Lesson 45 Checking Subtraction by Adding
Lesson 46 Subtracting With “Doubles” and Zeroes
Lesson 47 Using Check Numbers
Lesson 48 Review and Practice
Lesson 49 Finding Check Numbers
Lesson 50 Check Numbers and Multiples of Three
Lesson 51 The “Almost” Subtraction Strategy
Lesson 52 Terry’s Subtraction Strategy
Lesson 53 Working With Twos
Lesson 54 Review and Practice
Lesson 55 Working With Fives
Lesson 56 Telling Time to the Minute
Lesson 57 Telling Time Practice
Lesson 58 Multiplying With Money
Lesson 59 Multiplying With 1s and 0s
Lesson 60 Review and Practice
Lesson 61 Multiplication Problems
Lesson 62 The Multiplication Table
Lesson 63 Working With Threes
Lesson 64 (1 or 2 days) Representing Thousands
Lesson 65 Reviewing Place Value
Lesson 66 Review and Practice
Lesson 67 Working With Fours
Lesson 68 Representing Thousands
Lesson 69 Reading and Writing Large Numbers
Lesson 70 (1 or 2 days) Working With Large Numbers
Lesson 71 Working With Nines
Lesson 72 Review and Practice
Lesson 73 Multiplying and Adding
Lesson 74 Multiplying by a One-Digit Number
Lesson 75 Introducing Area

Lesson 76 Working With Square Inches
Lesson 77 Working With Sixes
Lesson 78 Review and Practice
Lesson 79 Working With Centimeters
Lesson 80 Finding Areas
Lesson 81 Area Problems
Lesson 82 Working With Eights
Lesson 83 Multiplying Three Numbers
Lesson 84 Review and Practice
Lesson 85 Arrays of Cubes
Lesson 86 Working With Sevens
Lesson 87 Seeing Patterns
Lesson 88 Patterns With Squares
Lesson 89 A Squares Pattern
Lesson 90 Review and Practice
Lesson 91 Continuing the Pattern
Lesson 92 The Distributive Law
Lesson 93 Square Inches in a Square Foot
Lesson 94 Multiplying by Two Digits
Lesson 95 The Multiplication Algorithm
Lesson 96 Review and Practice
Lesson 97 Problem Solving Using a Table
Lesson 98 Times Greater
Lesson 99 Combination Problems
Lesson 100 Beginning Division
Lesson 101 Operations With Parts and Wholes
Lesson 102 Review and Practice
Lesson 103 Division: Number in a Group
Lesson 104 Division: Number of Groups
Lesson 105 Parts and Wholes With Number of Groups
Lesson 106 Problems Using Part Whole
Lesson 107 Dividing With Multiples
Lesson 108 Review and Practice
Lesson 109 Two-Step Problems
Lesson 110 (1 or 2 days) Division Problems With Money
Lesson 111 The Dividing Line
Lesson 112 Non-Unit Fractions
Lesson 113 Fractions Equaling One
Lesson 114 Review and Practice
Lesson 115 Comparing Fractions

Lesson 116 The Ruler Chart
Lesson 117 Fractions Problems
Lesson 118 The Division “House”
Lesson 119 Division Remainders in Context
Lesson 120 Review and Practice
Lesson 121 Graphing Growth
Lesson 122 Reading a Graph on Population
Lesson 123 Reading a Graph on Area
Lesson 124 Drawing Rectangles on a Drawing Board
Lesson 125 Drawing Diagonals
Lesson 126 Review and Practice
Lesson 127 Drawing Octagons
Lesson 128 Drawing Hexagons
Lesson 129 Drawing Congruent Copies
Lesson 130 Drawing New Fractions
Lesson 131 Drawing Symmetrical Figures
Lesson 132 Review and Practice
Lesson 133 Regular Polygons From Paper
Lesson 134 Tenths of a Centimeter
Lesson 135 Building a Box
Lesson 136 Congruent Shapes
Lesson 137 Combining Five Squares
Lesson 138 Building More Boxes
Lesson 139 Building a $4 \times 3 \times 1$ Box in Inches
Lesson 140 Building a $3 \times 2 \times 2$ Box in Inches
Lesson 141 Scaling
Lesson 142 Review and Practice

Test

Progress Criteria/Methods of Evaluation: For successful completion of this course, the student will complete at least 70% of the lessons/goals, at a minimum of 70% accuracy.

September Lessons 1-16

October Lessons 17-32

November Lessons 33-48

December Lessons 49-63

January Lessons 64-79

February Lessons 80-95

March Lessons 96-111

April Lessons 112-126

May Lessons 127-142
June Review