

## **RightStart B**

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.

With Right Start Level B, the student will use mental strategies to learn the addition facts.

Adding 4-digit numbers is also taught. Subtraction is delayed until addition is thoroughly understood, and begins towards the end of the book. Place value is emphasized throughout the lessons. Other topics to meet standards, such as geometry, money, clocks, and unit fractions, are also taught.

### **Learning Materials:**

Main Curriculum:

RightStart™ Mathematics Level B Lessons

RightStart™ Mathematics Level B Worksheets

RightStart™ Mathematics Yellow is the Sun CD

Supplemental:

Tally Sticks

Wooden Cubes

4-Inch Geared Mini-Clock

Abacus Tiles

AL Abacus Standard

Base Ten Picture Cards

Cards for Math Games

Geoboards - Set of Two 7x7 Grids

Geometry Reflector

Place Value Cards

Right Start Colored Tiles (Set of 200)

**Learning Goals/Performance Objectives:** 1.1.F Fluently compose and decompose numbers to 10

1.1.G Group numbers into tens and ones in more than one way.

1.1.H Group and count objects by tens, fives, and twos.

1.1.I Classify a number as odd or even and demonstrate that it is odd or even.

1.4.E Describe the connection between the size of the measurement unit and the number of units needed to measure something.

1.4.F Name the days of the week and the months of the year, and use a calendar to determine a day or month.

**Learning Activities:** The student will work on approximately one lesson every 1-2 days, using the manipulatives, abacus, tally sticks, and so forth. Assessments are built into the curriculum.

RightStart Level B Table of Contents

\* A child who has completed all of Level A may skip these lessons (lessons 1-23)

Lesson 1\* Quantities 1 to 3

Lesson 2\* Quantities 1 to 5

Lesson 3\* Quantities 1 to 6 and the Abacus

Lesson 4\* Quantities 1 to 7, Taps, and Writing Numbers

Lesson 5\* Quantities 1 to 8

Lesson 6\* Quantities 9 and 10

Lesson 7\* Building the Stairs

Lesson 8 (2 or 3 days) The Place-Value Cards and Translations

Lesson 9\* Part-Whole Circles

Lesson 10\* Solving Problems

Lesson 11\* Partitioning Numbers 2 to 5

Lesson 12\* Mastering Partitioning 5

Lesson 13\* Nickels and Pennies

Lesson 14\* Simple Money Problems

Lesson 15 Partitioning 10

Lesson 16 (2 or 3 days) Practicing the Tens Combinations

Lesson 17\* Quantities Arranged by Twos

Lesson 18\* Evens and Odds

Lesson 19\* More About Evens and Odds

Lesson 20\* Writing Addition Equations

Lesson 21\* Writing More Equations & Parallel

Lesson 22\* Adding on the Abacus & Perpendicular

Lesson 23\* Introducing Tens

Lesson 24 Partitioning and Adding Tens

Lesson 25 Introducing Hundreds & Rectangle Design

Lesson 26 More Hundreds & Building Rectangles

Lesson 27 Rectangles from Tiles & Commutative Law

Lesson 28 Thousands & Patterning

Lesson 29 Tens and Ones & Right Triangles

Lesson 30 Base-10 Picture Cards

Lesson 31 Overlapping the Place-Value Cards

Lesson 32 Large Numbers & Adding Tens and Ones

Lesson 33 More Right Triangles & Practice Sheets

Lesson 34 Trading with the Base-10 Pictures

Lesson 35 Adding with the Base-10 Pictures

Lesson 36 Derived Strategies & More Partitioning

Lesson 37 Dimes & Problems

Lesson 38 (2 or 3 days) Test & the Tens Fractal

Lesson 39 (2 or 3 days) More Adding with the Base-10 Pictures

Lesson 40 Quantities on Side 2 of the Abacus  
Lesson 41 (2 days) Tens' Traditional Names & Numbers in Order  
Lesson 42 More About Tens  
Lesson 43 Traditional Names for the Teens.  
Lesson 44 (1 to 3 days) Counting by 5s & Making Calendars  
Lesson 45 Working with Teens  
Lesson 46 (1 or 2 days) Tens in 1000 & Sum of Numbers 1 to 10  
Lesson 47 Days in a Year and Dishes in the Cupboard  
Lesson 48 (2 days) Math Balance & Bead Trading  
Lesson 49 Math Balance Equations  
Lesson 50 Partitioning 15 & Adding 1 to a Number  
Lesson 51 Adding 10 to a Number  
Lesson 52 Adding 100 & Hours on a Clock  
Lesson 53 Halves & Half Hours on a Clock  
Lesson 54 (1 or 2 days) O'Clocks & Half Hours Practice  
Lesson 55 Five Minutes on the Clock  
Lesson 56 (2 or 3 days) Minute Practice  
Lesson 57 Adding Dimes, Nickels, and Pennies  
Lesson 58 Choosing Coins  
Lesson 59 Corners Exercise  
Lesson 60 (2 days) Corners Game  
Lesson 61 Combinations with 9 by Completing the 10  
Lesson 62 Introducing Geoboards & 9s Combinations  
Lesson 63 Sums Equal to 11  
Lesson 64 Congruent Rectangles  
Lesson 65 Designs with Diagonals  
Lesson 66 The Two-Fives Strategy & Patterning  
Lesson 67 Two-Fives Strategy Practice & Mirror Symmetry  
Lesson 68 Tile Symmetry & 2-Fives in Higher Decades  
Lesson 69 Combinations with 8s  
Lesson 70 Geoboard Patterning & Combinations with 8s  
Lesson 71 Adding 2-Digit Numbers & Symmetry  
Lesson 72 Flipping Vertically and Horizontally  
Lesson 73 Two-Digit Numbers Plus a Multiple of Ten  
Lesson 74 Finding the Number of Cubes  
Lesson 75 Adding 2-Digit Numbers With Sums Over 100  
Lesson 76 Mentally Adding 2-Digit Numbers  
Lesson 77 Partitioning Numbers into Three Parts  
Lesson 78 Adding More Than Two Addends  
Lesson 79 Numbers Totaling 15 & Rows and Columns

Lesson 80 More on Mentally Adding 2-Digit Numbers  
Lesson 81 Even and Odd Numbers up to 100  
Lesson 82 Even-Odd Adding Rules  
Lesson 83 Continuing the Pattern  
Lesson 84 Continuing Patterns Up and Down  
Lesson 85 Skip Counting  
Lesson 86 Quarters  
Lesson 87 Quarter of a Dollar  
Lesson 88 Patterns in the Hundreds  
Lesson 89 Reviewing Place Value  
Lesson 90 (5 days) Adding Four-Digit Numbers on the Abacus  
Lesson 91 (several days) Adding Four-Digit Numbers on Paper  
Lesson 92 The  $>$  and  $<$  Symbols  
Lesson 93 Introducing Subtraction  
Lesson 94 Subtraction as the Missing Addend  
Lesson 95 Making Change  
Lesson 96 More Making Change Activities  
Lesson 97 Introduction to Measuring  
Lesson 98 (2 days) Finding Perimeter  
Lesson 99 (2 days) Finding Rectangles with a Given Perimeter & Diagonals  
Lesson 100 Measuring Long Distances & Estimating  
Lesson 101 Constructing Triangles & Finding Perimeters  
Lesson 102 (2 days) Subtracting by Going Back  
Lesson 103 Reading Scales  
Lesson 104 Time to the Minute  
Lesson 105 Halves and Fourths  
Lesson 106 (1 or 2 days) Graphing  
Lesson 107 Final 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 1-12

October Lessons 13-24

November Lessons 25-36

December Lessons 37-48

January Lessons 49-60

February Lessons 61-72

March Lessons 73-84

April Lessons 85-96

May Lessons 97-107  
June Review