

RightStart E

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 E, the student works with percents and decimals as well as fractions. The student learns short division for dividing by single digits, followed by long division. Some algebraic concepts are introduced, including coordinate systems. In geometry, the student studies classification of triangles and polygons, rotational symmetry, angle measurement, and 3-dimensional figures.

Learning Materials:

Main Curriculum:

RightStart™ Mathematics Level E Lessons

RightStart™ Mathematics Level E Worksheets

RightStart™ Mathematics Transition Lessons

RightStart™ Mathematics Transition Worksheets

Supplemental:

Abacus Tiles

AL Abacus Standard

Cards for Math Games

Centimeter Cubes

Folding Meter Stick

Fraction Charts

Goniometer (Angle Measurer)

Math Card Games, 5th edition

Place Value Cards

Right Start Colored Tiles (Set of 200)

Right Start Drawing Set

Learning Goals/Performance Objectives: 4.1.B Identify factors and multiples of a number.

4.1.C Represent multiplication of a two-digit number by a two-digit number with place value models.

4.1.D Multiply by 10, 100, and 1,000.

4.2.A Represent decimals through hundredths with place value models, fraction equivalents, and the number line.

4.2.C Convert a mixed number to a fraction and vice versa, and visually represent the number.

4.3.C Determine the perimeter and area of a rectangle using formulas, and explain why the formulas work.

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

RightStart Math Level E Table of Contents

- Lesson 1 Magic Squares
- Lesson 2 Combining Magic Squares
- Lesson 3 (2 days) Larger Magic Squares
- Lesson 4 Reviewing Addition
- Lesson 5 Reviewing Subtraction
- Lesson 6 Patterns in Multiples
- Lesson 7 Comparing Numerical Expressions
- Lesson 8 Patterns in Odd Multiples
- Lesson 9 Equivalent Fractions
- Lesson 10 Fractions Totaling One
- Lesson 11 Patterns in Fractions
- Lesson 12 Fractions Close to One
- Lesson 13 A Fraction of Twelve
- Lesson 14 Drawing Fractions
- Lesson 15 Whole Numbers and Fractions
- Lesson 16 Adding Fractions Informally
- Lesson 17 A Fraction of Sixteen
- Lesson 18 (2 days) Reading Rulers to Eighths
- Lesson 19 Adding Fractions With Eighths
- Lesson 20 Reading Rulers to Tenths
- Lesson 21 Review and Practice
- Lesson 22 Fractions of a Dollar
- Lesson 23 Introduction to Percents
- Lesson 24 Percent Games
- Lesson 25 Percent of a Rectangle
- Lesson 26 Percent Practice
- Lesson 27 Percent Problems
- Lesson 28 Review and Practice
- Lesson 29 Fractions in Circles
- Lesson 30 Percents in Circles
- Lesson 31 Pie Charts
- Lesson 32 On to the Millions
- Lesson 33 Reviewing Multiplication
- Lesson 34 Arrays
- Lesson 35 Review and Practice
- Lesson 36 Multiplying by Ten
- Lesson 37 Multiplying by Several Tens
- Lesson 38 Multiplying by Two Digits
- Lesson 39 Finding Area

Lesson 40 Square Yards
Lesson 41 Area With Fractional Units
Lesson 42 Area of Drafting Papers
Lesson 43 Review and Practice
Lesson 44 Mixed Numbers to Improper Fractions
Lesson 45 Improper Fractions to Mixed Numbers
Lesson 46 Working With Tenths
Lesson 47 Adding Tenths
Lesson 48 Introducing Hundredths
Lesson 49 Hundredths of a Meter
Lesson 50 Hundredths of a Square
Lesson 51 Hundredths of a Dollar
Lesson 52 Review and Practice
Lesson 53 Introducing Decimal Points
Lesson 54 Measuring With Decimals
Lesson 55 Decimal Hundredths in a Square
Lesson 56 Decimal Fractions of a Dollar
Lesson 57 Number Line With Decimals
Lesson 58 Decimal Parts of a Meter
Lesson 59 Review and Practice
Lesson 60 Gasoline Prices
Lesson 61 (2 days) Tax Returns
Lesson 62 Converting Numbers
Lesson 63 Sales Tax
Lesson 64 Square Roots With a Calculator
Lesson 65 Review and Practice
Lesson 66 Area in Square Centimeters
Lesson 67 Area of Right Triangles
Lesson 68 Introducing the Area of Parallelograms
Lesson 69 Area of Parallelograms
Lesson 70 Introducing the Area of a Triangle
Lesson 71 Area of Triangles
Lesson 72 Triangle Area Using Different Bases
Lesson 73 Review and Practice
Lesson 74 Finding Remainders
Lesson 75 (2 days) Dividing by 2 on the Abacus
Lesson 76 Short Division
Lesson 77 Division Problems
Lesson 78 Rounding Quotients to Whole Numbers
Lesson 79 Review and Practice

Lesson 80 Prime Numbers
Lesson 81 Factoring Into Prime Factors
Lesson 82 Finding Pairs With Equal Products
Lesson 83 Multivides
Lesson 84 Simplifying Fractions
Lesson 85 More Simplifying Fractions
Lesson 86 Review and Practice
Lesson 87 Averages
Lesson 88 More on Averages
Lesson 89 Mean, Median, and Mode
Lesson 90 Probability Using Tiles
Lesson 91 Probability Using Spinners
Lesson 92 Probability Using Dice
Lesson 93 Probability Problems
Lesson 94 Review and Practice
Lesson 95 Finding Cities on a Map
Lesson 96 Connect the Points With Coordinates
Lesson 97 Making Graphs
Lesson 98 Measuring Angles
Lesson 99 Making a Protractor
Lesson 100 Isosceles Triangles
Lesson 101 Classifying Triangles
Lesson 102 Medians in Triangles
Lesson 103 Review and Practice
Lesson 104 Classifying Polygons
Lesson 105 Constructing Regular Polygons
Lesson 106 Drawing Regular Polygons
Lesson 107 (1 or 2 days) Perimeter and Area of Polygons
Lesson 108 Classifying Quadrilaterals
Lesson 109 Pyramids
Lesson 110 Review and Practice
Lesson 111 Drawing Circle Designs
Lesson 112 Drawing Olympic Rings
Lesson 113 Drawing Flips
Lesson 114 Making Wheel Designs
Lesson 115 Making Pie Charts
Lesson 116 Visualizing Cubes
Lesson 117 Isometric Drawings
Lesson 118 Views of an Object
Lesson 119 Views of Mathematical Objects

Lesson 120 Review and Practice
Lesson 121 Preparing for Long Division
Lesson 122 Quotient Checking
Lesson 123 Long Division
Lesson 124 Zeroes in the Quotient
Lesson 125 How Many Squares Problem
Lesson 126 Guyana Flag Problem
Lesson 127 A Fraction of a Fraction
Lesson 128 Multiplying Fractions
Lesson 129 Transforming Equations
Lesson 130 Review and Practice
Lesson 131 Midpoints in Quadrilaterals
Lesson 132 Mobius Strips
Practice Sheets

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 1-15
October Lessons 16-30
November Lessons 31-45
December Lessons 46-60
January Lessons 61-75
February Lessons 76-90
March Lessons 91-105
April Lessons 106-120
May Lessons 121-132
June Review