

Singapore Math 3

Class Description: Singapore says that Singapore Primary Mathematics U.S. Edition "is a series of rigorous elementary math textbooks and workbooks meant to be part of a system of learning in which adult supervision and independent practice go hand in hand. The main feature of this series is the use of the Concrete> Pictorial>Abstract approach. Students are provided with the necessary learning experiences beginning with the concrete and pictorial stages, followed by the abstract stage to enable them to learn mathematics meaningfully. This approach encourages active thinking process, communication of mathematical ideas and problem solving. Singapore Math develops the foundation students will need for more advanced mathematics." 3rd grade math includes concepts such as addition, subtraction, multiplication, division, money, measurements, fractions, time, etc.

Learning Materials: Main Curriculum:

Primary Math Answer Key Booklet U.S. Ed 1A-3B

Primary Math HOME Instructor's Guide U.S. Ed 3A

Primary Math HOME Instructor's Guide U.S. Ed 3B

Primary Math Textbook 3A U.S. EDITION

Primary Math Textbook 3B U.S. EDITION

Primary Math Workbook 3A U.S. EDITION

Primary Math Workbook 3B U.S. EDITION

Learning Goals/Performance Objectives: 3.1.A Read, write, compare, order, and represent numbers to 10,000 using numbers, words, and symbols.

3.1.C Fluently and accurately add and subtract whole numbers using the standard regrouping algorithms.

3.1.E Solve single- and multi-step word problems involving addition and subtraction of whole numbers and verify the solutions.

3.2.C Determine products, quotients, and missing factors using the inverse relationship between multiplication and division.

3.2.D Apply and explain strategies to compute multiplication facts to 10×10 and the related division facts.

3.3.B Compare and order fractions that have denominators of 2, 3, 4, 5, 6, 8, 9, 10, and 12.

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

Learning Activities: The student will work through 1-2 units per month. Each unit is comprised of 2-5 lessons. Students complete the workbook exercises. The textbook has the content and then practice and review problems that may be done after the corresponding workbook problems.

There are reviews (assessments) throughout the curriculum.

Primary Mathematics U.S. Edition 3A

1. Numbers to 10,000

•Thousands, Hundreds, Tens and Ones

- Numbers Patterns

2. Addition and Subtraction

- Sum and Difference
- Add Ones, Tens, Hundreds and Thousands
- Two-step Word Problems

3. Multiplication and Division

- Looking Back
- More Word Problems
- Multiplying Ones, Tens and Hundreds
- Quotient and Remainder
- Dividing Hundreds, Tens and Ones

REVIEW A

4. Multiplication Tables of 6, 7, 8 and 9

- Looking Back
- Multiplying and Dividing by 6
- Multiplying and Dividing by 7
- Multiplying and Dividing by 8
- Multiplying and Dividing by 9

5. Money (U.S. currency)

- Dollars and Cents
- Addition
- Subtraction

REVIEW B

Primary Mathematics U.S. Edition 3B

1. Mental Calculation

- Addition
- Subtraction
- Multiplication
- Division

2. Length

- Meters and Centimeters
- Kilometers
- Yards, Feet and Inches

- Miles

3. Weight

- Kilograms and Grams
- More Word Problems
- Pounds and Ounces

REVIEW A

REVIEW B

4. Capacity

- Liters and Milliliters
- Gallons, Quarts, Pints and Cups

REVIEW C

5. Graphs

- Bar Graphs

6. Fractions

- Fraction of a Whole
- Equivalent Fractions

REVIEW D

7. Time

- Hours and Minutes
- Other Units of Time

REVIEW E

8. Geometry

- Angles
- Right Angles

9. Area and Perimeter

- Area
- Perimeter
- Area of a Rectangle

REVIEW F

REVIEW G (extra review exercises on customary measurements)

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 Book 3A Unit 1-2

October Unit 3

November Unit 4-5

December Book 3B Unit 1

January Unit 2

February Unit 3

March Unit 4-5

April Unit 6-7

May Unit 8-9

June Review