

New Fifth Grade, Singapore Math, Common Core

Box 1: Class Description

This year-long course covers the fifth grade math content noted below. Weekly certificated contact will be completed through direct personal contact with an HQ/certificated teacher in an on-site HC class. At least one state standard will be covered in this course.

Box 2: Learning Materials

The curriculum, books, supplies, materials, web-sites, and other sources used for this course are Singapore Primary Math 5A and 5B.

(Make additions as you see fit.)

Box 3: Learning Goals/Performance Objectives

The schedule of month-by-month learning goals below, will likely not be exactly adhered to by the student. The schedule is approximate. Monthly coverage of these goals will vary according to the student's strengths and interests. The clear goal, however, is coverage of all of the goals below, by the end of the school year.

Primary Mathematics Common Core Edition Textbook 5A

SEPTEMBER

1. Whole Numbers, Large Numbers
Approximation and Estimation
Factors and Multiples
Prime Factorization
Multiplying by Tens, Hundreds, or Thousands
Dividing by Tens, Hundreds, or Thousands
REVIEW 1

OCTOBER

2. More Calculations with Whole Numbers, Order of Operations
Methods for Mental Calculation
Looking Back: Word Problems
Multiplication by a 2-Digit Whole Number
Division by a 2-Digit Whole Number
REVIEW 2
3. Fractions, Looking Back
Fractions and Division
Addition and Subtraction of Unlike Fractions

NOVEMBER

- Addition and Subtraction of Mixed Numbers
Product of a Fraction and a Whole Number

Word Problems
REVIEW 3

4. Multiply and Divide Fractions, Product of Fractions
Word Problems
Dividing a Fraction by a Whole Number
Dividing by a Fraction
More Word Problems
REVIEW 4

DECEMBER

5. Perimeter and Area, Square Units
Area of Composite Figures - Rectangles and Squares
Area of a Triangle
Area of a Parallelogram
REVIEW 5

JANUARY

6. Ratio, Finding Ratio
Equivalent Ratios
Combining Three Quantities
REVIEW 6

Primary Mathematics Common Core Edition Textbook 5B

Contents

7. Decimals, Tenths, Hundredths, and Thousandths
Approximation
Add and Subtract Decimals
Multiply and Divide Decimals by a 1-Digit Whole Number
Multiplication by Tens, Hundreds, or Thousands
Division by Tens, Hundreds, or Thousands
REVIEW 7

FEBRUARY

8. More Calculations, Multiplication by a 2-Digit Whole Number
Division by a 2-Digit Whole Number
Multiplication by a Decimal
Division by a Decimal
Conversion of Measures
REVIEW 8

MARCH

9. Volume, Cubic Units
Volume of Rectangular Prisms
Finding the Volume of a Solid
REVIEW 9
10. Average, Plots, and Graphs, Average
Line Plots
Coordinate Graphs

Line Graphs
REVIEW 10

APRIL

11. Angles, Triangles, and Quadrilaterals, Looking Back
Finding Unknown Angles
Finding Unknown Angles in Triangles
Finding Unknown Angles in Quadrilaterals
REVIEW 11

MAY

12. Percentage, Percent
Writing Fractions as Percentages
Percentage of a Quantity
REVIEW 12

JUNE

13. Rate, Rate
REVIEW 13

Box 4: Learning Activities

Each day the student will complete a math lesson. They will have a new lesson/concept/learning explained, demonstrated/taught. They'll complete practice problems to ensure understanding of content. They will have independent practice/homework over those concepts. They will re-do and correct any which they missed. When review is needed, we'll not learn a new concept but take the time needed to re-teach or reinforce needed concepts.

(Make additions or deletions as you see fit.)

Box 5: Progress Criteria/ Methods of Evaluation

Student monthly progress evaluation is made on the basis of weekly certificated contact, work samples, communications with students, communications with parents, and performance in on-site classes. It is electronically communicated to parents via WINGS. It is our goal that the student will accomplish approximately 10% of the goals of this course each month, September through June. The level of mastery expected is 70% or higher to progress. Methods of evaluation will include but are not limited to those below, under the direction of an HQ teacher:

- * observation and/or correction of daily and/or weekly work and progress
- * daily or weekly discussion of assignments, readings, writings
- * correction of work done incorrectly
- * portfolio kept of student work, at least weekly

(Make additions or deletions as you see fit, to asterisks.)

Box 6: Weekly Hours

Please estimate the number of hours your student will work on this course.