

Mathematics 5

Teacher: Ms. Gladys Ang (Grade 5)

Time: 8 x 35 minutes per week

Course Description:

The Grade 5 Mathematics package adopts the concrete to abstract approach in the presentation of mathematical concepts, skills and problem-solving strategies. When pupils are familiar with the ideas taught, they can progress to a more advanced or abstract stage without the use of manipulative.

Research has shown that this approach helps pupils to construct mathematical knowledge. The Grade 5 package also places emphasis on equipping pupils with the relevant thinking skills and heuristics for problem-solving. This will help pupils develop higher order thinking skills.

Resources:

My Pals Are Here! Mathematics (2nd edition) Course book 5A and 5B
 My Pals Are Here! Mathematics (2nd edition) Work book 5A and 5B
 My Pals Are Here! Mathematics (2nd edition) Homework book 5A and 5B

Prerequisites:

Successfully completed grade 4 requirements

Main Topics Covered:

Q1

- Whole Numbers (1)
Numbers to 1 Million, Place Values, Comparing numbers within 10 million. Rounding off to the nearest thousand and estimate
- Whole Numbers (2)
Using a calculator, Multiplying and Dividing by tens, hundreds or thousands, Order of Operations, Word Problem.
- Fractions (1)
Like and Unlike Fractions, Adding & subtracting Like and Unlike Fractions, Fractions & Division, Converting Fractions to decimals, Adding & Subtracting Mixed Numbers, Word Problem.
- Fractions (2)
Product of Proper Fractions, Product of Improper Fraction, A Proper or Improper Fraction, Dividing a Fraction by a Whole Number, Word Problems

Q2

- Percentage
Per Cents, Converting Fractions to Percentage
Percentage of a Quantity, Word Problems
- Ratio
Finding Ratio, Equivalent Ratio, Comparing Three Quantities, Word Problem.
- Average
Understanding Average, Word Problem.

Q3

- Decimals
Comforting Decimals to Fractions, Multiplying and Dividing by Tens, Hundreds or Thousands, Using A Calculator, Word Problems
- Measurements
Comforting A Measurement from A Larger Unit To A Smaller Unit, Comforting A Smaller Unit To A Larger Unit.
- Volume of Cube and Cuboid
Building Solids Using Unit cubes, Drawing Cubes and Cuboids, Understanding and Measuring Volume, Volume of A Cuboid & Liquid.

Q4

- Angles
Angles On A Straight Line, Angles at A Point, Vertically Opposite Angles, Finding Unknown Angles.
- Properties of Triangles and 4 sided Figures
Angles Of A Triangle, Right-angled Triangles, Isosceles Triangles, Equilateral Triangles, Parallelogram, Rhombuses, Trapeziums.
- Area of a Triangle
Base and Height of A Triangle, Finding the Area
- Geometrical Construction
Drawing Triangles & 4-sided Figures

Homework:

We expect students to spend about 45 minutes to do their homework daily.

Mental Sums and Test:

Tests will be given to students after each topic.

Remarks:

Should you have any questions do not hesitate to ask us
gladys.ang@acsjakarta.sch.id