



Singapore Maths Innovative Learning Experience (SMILE Philippines)

Grade 3 Content List

Grade 3

Strengthen your child's foundation on Whole Numbers with the proper ways to multiply and divide large numbers as well as start on word problems. Build a good base about Fractions and their relations to numbers, adding and subtracting simple fractions with step-by-step visual examples. Through visual examples of different units of measurement, dive deeper into concepts of Time, Mass and Volume. Your child will develop a deeper appreciation of their applications in different situations around us.

Content List

Whole Numbers

Title	Synopsis
Lesson 1	Recognise and represent ordinal numbers up to 100th in various forms and contexts.
Worksheet 1	Homework for Lesson 1.
Quiz 1	Recap of Lesson 1.
Lesson 2	Learn about odd and even numbers.
Lesson 3	Practice questions about odd and even numbers.
Lesson 4	Practice questions about odd and even numbers.
Worksheet 2	Homework for Lessons 2 to 4.
Quiz 2	Recap of Lessons 2 to 4.
Lesson 5	Learn about thousand place values.
Lesson 6	Practice questions on thousand place values.
Worksheet 3	Homework for Lessons 5 and 6.
Lesson 7	Adding and subtracting up to 4-digit numbers.
Lesson 8	Practice adding and subtracting of up to 4-digit numbers.
Lesson 9	Practice adding and subtracting of up to 4-digit numbers.
Worksheet 4	Homework for Lessons 7 to 9.
Lesson 10	Solving word problems involving addition and subtraction.
Lesson 11	Mental calculation of 2-digit numbers.
Lesson 12	Practice questions on mental calculation of 2-digit numbers.
Worksheet 5	Homework for Lessons 10 to 12.
Quiz 3	Recap of Lessons 2 to 12.
Lesson 13	Learn 6, 7, 8 and 9 multiplication tables.
Worksheet 6	Homework for Lessons 13.
Lesson 14	Multiplication of 3-digits by 1-digit.

Lesson 15	Practice multiplying 3-digits by 1-digit.
Lesson 16	Practice multiplying 3-digits by 1-digit.
Worksheet 7	Homework for Lessons 14 to 16.
Lesson 17	Division with remainder.
Lesson 18	Practice dividing with remainder.
Lesson 19	Practice dividing with remainder.
Worksheet 8	Homework for Lessons 17 to 19.
Lesson 20	Learn Division algorithm (up to 3-digits by 1-digit).
Lesson 21	Practice questions using division algorithm.
Lesson 22	Practice questions using division algorithm.
Worksheet 9	Homework for Lessons 20 to 22.
Quiz 4	Recap of Lessons 13 to 22.
Lesson 23	Identify number patterns.
Lesson 24	Comparing and ordering numbers in number patterns.
Lesson 25	Practice comparing and ordering numbers in number patterns.
Worksheet 10	Homework for Lessons 24 and 25.
Lesson 26	Solving word problems involving patterns.
Lesson 27	Using "Constant difference" concept to solve a word problem.
Lesson 28	Using "Constant difference" concept to solve a word problem.
Lesson 29	Practice using "Constant difference" concept to solve a word problem.
Worksheet 11	Homework for Lessons 27 to 29.
Lesson 30	Using "Working backwards" concept to solve a word problem.
Lesson 31	Using "Working backwards" concept to solve a word problem.
Lesson 32	Practice using "Working backwards" concept to solve a word problem.
Worksheet 12	Homework for Lessons 30 to 32.
Lesson 33	Using "Guess and check" concept to solve a word problem.
Lesson 34	Using "Guess and check with assumption" concept to solve a word problem.
Lesson 35	Using "Guess and check with assumption" concept to solve a word problem.
Lesson 36	Using "Guess and check" with assumptions to solve a word problem.
Lesson 37	Practice using "Guess and check" with assumptions to solve a word problem.
Worksheet 13	Homework for Lessons 33 to 37.
Quiz 5	Recap of Lessons 27 to 37.
Lesson 38	Using "Constant total" concept to solve a word problem.
Lesson 39	Using "Constant total" concept to solve a word problem.
Lesson 40	Practice using "Constant total" concept to solve a word problem.
Worksheet 14	Homework for Lessons 38 to 40.
Lesson 41	Using "Constant part" concept to solve a word problem.
Lesson 42	Using "Constant part" concept to solve a word problem.
Lesson 43	Practice using "Constant part" concept to solve a word problem.
Worksheet 15	Homework for Lessons 41 to 43.
Lesson 44	Rounding off numbers to the nearest 10, 100 or 1000.

Money

Title	Synopsis
Lesson 1	Learn to recognise, represent, and order money up to PhP1000 in various forms and contexts.
Worksheet 1	Homework for Lesson 1.

Quiz 1	Recap of Lesson 1.
Lesson 2	Adding and subtracting money in decimal notation.
Lesson 3	Practice adding and subtracting money in decimal notation.
Worksheet 2	Homework for Lessons 1 and 2.
Quiz 2	Recap of Lessons 1 and 2.
Lesson 4	Solving word problems involving money.
Lesson 5	Solving word problems involving money.

Fractions

Title	Synopsis
Lesson 1	Learn to represent fractions pictorially.
Lesson 2	Equivalent fractions.
Lesson 3	Learn about fractions and equivalent fractions.
Lesson 4	Practice questions on fractions and equivalent fractions.
Lesson 5	Practice questions on fractions and equivalent fractions.
Worksheet 1	Homework for Lessons 2 to 5.
Lesson 6	Express a fraction in its simplest form.
Lesson 7	Practice expressing fractions in the simplest form.
Lesson 8	Practice expressing fractions in the simplest form.
Worksheet 2	Homework for Lessons 6 to 8.
Lesson 9	Compare and order like fractions.
Lesson 10	Compare and order fractions.
Lesson 11	Practice comparing and ordering fractions.
Lesson 12	Practice comparing and ordering fractions.
Worksheet 3	Homework for Lessons 9 to 12.
Lesson 13	Adding and subtracting related fractions.
Worksheet 4	Homework for Lesson 13.
Quiz 1	Recap of Lessons 1 to 13.
Lesson 14	Solving word problems involving fractions.
Lesson 15	Solving word problems involving fractions.

Geometry

Title	Synopsis
Lesson 1	Learn about parallel and perpendicular lines.
Lesson 2	Practice drawing parallel and perpendicular lines on a square grid.
Worksheet 1	Homework for Lessons 1 and 2.
Quiz 1	Recap of Lessons 1 and 2.
Lesson 3	Identifying symmetric figures. Determining lines of symmetry. Completing a symmetric figure with respect to a given line of symmetry on a square grid.
Worksheet 2	Homework for Lesson 3.
Quiz 2	Recap of Lesson 3.
Lesson 4	Learn about angles (right, acute and obtuse angles).
Lesson 5	Practice questions about angles.
Worksheet 3	Homework for Lessons 4 and 5.
Quiz 3	Recap of Lessons 4 and 5.

Lesson 6	Learn what a complete turn, quarter turn and a half turn are using a 8-point compass.
Lesson 7	Tessellate a surface using triangles and squares and other shapes
Worksheet 4	Homework for Lesson 7.
Quiz 4	Recap of Lesson 7.

Time

Title	Synopsis
Lesson 1	Learn to use “past” and “to” to tell time.
Lesson 2	Converting hours and minutes to minutes and vice versa. Finding the duration.
Worksheet 1	Homework for Lessons 1 and 2.
Lesson 3	Practice converting hours and minutes to minutes and vice versa. Practice finding the duration.
Lesson 4	Practice converting hours and minutes to minutes and vice versa. Practice finding the duration.
Lesson 5	Practice finding the duration given the start time and end time.
Lesson 6	Practice finding the duration given the start time and end time.
Lesson 7	Practice finding the start time, end time or duration.
Lesson 8	Practice finding the start time, end time or duration.
Lesson 9	Practice finding the start time, end time or duration.
Worksheet 2	Homework for Lessons 3 to 9.
Quiz 1	Recap of Lessons 1 to 9.

Length

Title	Synopsis
Lesson 1	Conversion between kilometres, metres and centimetres.
Lesson 2	Practice conversion between kilometres, metres and centimetres.
Lesson 3	Practice conversion between kilometres, decimetres, metres, and centimetres.
Worksheet 1	Homework for Lessons 1 to 3.
Quiz 1	Recap of Lessons 1 to 3.
Lesson 4	Solving word problems involving four operations of length.

Mass

Title	Synopsis
Lesson 1	Four operations involving Mass.
Lesson 2	Four operations involving Mass.
Lesson 3	Reading scales.
Lesson 4	Conversion between kilograms and grams.
Lesson 5	Practice conversion between kilograms and grams.
Worksheet 1	Homework for Lessons 4 and 5.
Quiz 1	Recap of Lessons 3 to 5.

Volume

Title	Synopsis
Lesson 1	Four operations involving volume.
Lesson 2	Conversion between litres and millilitres.
Lesson 3	Practice conversion between litres and millilitres.
Worksheet 1	Homework for Lessons 2 and 3.
Quiz 1	Recap of Lessons 2 and 3.

Area

Title	Synopsis
Lesson 1	Finding irregular area on a square grid.
Worksheet 1	Homework for Lesson 1.
Quiz 1	Recap of Lesson 1.
Lesson 2	Learn how to find the area of a rectangle and a square.
Worksheet 2	Homework for Lesson 2.

Statistics

Title	Synopsis
Lesson 1	Reading and interpreting data from bar graphs.
Lesson 2	Practice reading and interpreting data from bar graphs.
Lesson 3	Completing a bar graph from given data.
Lesson 4	Solving problems using information presented in bar graphs.
Worksheet 1	Homework for Lessons 1 to 4.
Quiz 1	Recap of Lessons 1 to 4.