



Singapore Maths Innovative Learning Experience (SMILE International)

Grade 3 Content List

Grade 3

Strengthen your child's foundation on Whole Numbers with the proper ways to multiply and divide large numbers. Learn 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	Learn about thousands place values.
Lesson 2	Practice questions on thousand place values.
Worksheet 1	Homework for Lessons 1 and 2.
Lesson 3	Comparing and ordering numbers in number patterns.
Lesson 4	Practice comparing and ordering numbers in number patterns.
Worksheet 2	Homework for Lessons 3 and 4.
Lesson 5	Solving word problems involving patterns.
Lesson 6	Adding and subtracting up to 4-digit numbers.
Lesson 7	Practice adding and subtracting of up to 4-digit numbers.
Lesson 8	Practice adding and subtracting of up to 4-digit numbers.
Worksheet 3	Homework for Lessons 5 to 8.
Quiz 1	Recap of Lessons 1 to 8.
Lesson 9	Solving word problems involving addition and subtraction.
Lesson 10	Mental calculation of 2-digit numbers.
Lesson 11	Practice questions on mental calculation of 2-digit numbers.
Worksheet 4	Homework for Lessons 9 to 11.
Lesson 12	Learn 6, 7, 8 and 9 multiplication tables.
Worksheet 5	Homework for Lessons 12.
Lesson 13	Multiplication of 3-digits by 1-digit.
Lesson 14	Practice multiplying 3-digits by 1-digit.
Lesson 15	Practice multiplying 3-digits by 1-digit.
Worksheet 6	Homework for Lessons 13 to 15.
Lesson 16	Division with remainder.
Lesson 17	Practice dividing with remainder.

Lesson 18	Practice dividing with remainder.
Worksheet 7	Homework for Lessons 16 to 18.
Lesson 19	Learn Division algorithm (up to 3-digits by 1-digit).
Lesson 20	Practice questions using division algorithm.
Lesson 21	Practice questions using division algorithm.
Worksheet 8	Homework for Lessons 19 to 21.
Quiz 2	Recap of Lessons 9 to 21.
Lesson 22	Solving word problems involving the four operations.
Lesson 23	Solving word problems involving the four operations.
Lesson 24	Solving word problems involving the four operations.
Lesson 25	Solving word problems involving the four operations.
Lesson 26	Solving word problems involving the four operations.
Lesson 27	Solving word problems involving the four operations.
Lesson 28	Solving word problems using models.
Lesson 29	Identify number patterns.

Area

Title	Synopsis
Lesson 1	Learn how to find the area of a rectangle and a square.
Worksheet 1	Homework for Lesson 1.
Lesson 2	Learn how to find the area of a triangle.
Lesson 3	Practice finding the area of a triangle.
Lesson 4	Summary on finding the area of triangles, rectangles and squares.
Worksheet 2	Homework for Lessons 2 to 4.
Quiz 1	Recap of Lessons 1 to 4.

Fractions

Title	Synopsis
Lesson 1	Learn about fractions and unit fractions.
Lesson 2	Practice questions about fractions and unit fractions.
Lesson 3	Practice questions about fractions and unit fractions.
Worksheet 1	Homework for Lessons 1 to 3.
Lesson 4	Addition of like fractions.
Lesson 5	Practice adding like fractions.
Lesson 6	Practice adding like fractions.
Worksheet 2	Homework for Lessons 4 to 6.
Lesson 7	Subtraction of like fractions.
Lesson 8	Practice subtracting like fractions.
Worksheet 3	Homework for Lessons 7 and 8.
Lesson 9	Practice subtracting like fractions.
Quiz 1	Recap of Lessons 1 to 9.
Lesson 10	Equivalent fractions.
Lesson 11	Learn about fractions and equivalent fractions.
Lesson 12	Practice questions on fractions and equivalent fractions.
Lesson 13	Practice questions on fractions and equivalent fractions.
Worksheet 4	Homework for Lessons 10 to 13.

Lesson 14	Express a fraction in its simplest form.
Lesson 15	Practice expressing fractions in the simplest form.
Lesson 16	Practice expressing fractions in the simplest form.
Worksheet 5	Homework for Lessons 14 to 16.
Lesson 17	Compare and order like fractions.
Lesson 18	Compare and order fractions.
Lesson 19	Practice comparing and ordering fractions.
Lesson 20	Practice comparing and ordering fractions.
Worksheet 6	Homework for Lessons 17 to 20.
Lesson 21	Adding and subtracting related fractions.
Worksheet 7	Homework for Lesson 21.
Quiz 2	Recap of Lessons 10 to 21.
Lesson 22	Solving word problems involving fractions.
Lesson 23	Solving word problems involving fractions.

Length

Title	Synopsis
Lesson 1	Generate measurement data by measuring lengths using rulers marked with halves and fourths of an inch.
Worksheet 1	Homework for Lesson 1.
Lesson 2	Solving problems involving the four operations within the US system. Conversion of units of length within the same system of measurement.
Worksheet 2	Homework for Lesson 2.
Quiz 1	Recap of Lessons 1 and 2.
Lesson 3	Conversion between kilometres, metres and centimetres.
Lesson 4	Practice conversion between kilometres, metres and centimetres.
Lesson 5	Practice conversion between kilometres, decimetres, metres, and centimetres.
Worksheet 3	Homework for Lessons 3 to 5.
Quiz 2	Recap of Lessons 3 to 5.
Lesson 6	Solving word problems involving four operations of length.

Lines

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.

Mass

Title	Synopsis
Lesson 1	Solving problems involving the four operations within the US system. Conversion of units of mass within the same system of measurement.
Worksheet 1	Homework for Lesson 1.
Quiz 1	Recap of Lesson 1.

Lesson 2	Reading scales.
Lesson 3	Conversion between kilograms and grams.
Lesson 4	Practice conversion between kilograms and grams.
Worksheet 2	Homework for Lessons 2 to 4.
Quiz 2	Recap of Lesson 2 to 4.

Money

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

Perimeter

Title	Synopsis
Lesson 1	Finding the perimeter of rectangles and squares.
Lesson 2	Practice finding the perimeter of rectangles and squares.
Lesson 3	Practice finding the perimeter of rectangles and squares.
Worksheet 1	Homework for Lessons 1 to 3.
Quiz 1	Recap of Lessons 1 to 3.

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.

Volume

Title	Synopsis
Lesson 1	Conversion with the 4 operations between fluid ounces, cups, pints, quarts and gallons
Worksheet 1	Homework for Lesson 1.
Quiz 1	Recap of Lesson 1.
Lesson 2	Conversion between litres and millilitres.
Lesson 3	Practice conversion between litres and millilitres.
Worksheet 2	Homework for Lessons 2 and 3.
Quiz 2	Recap of Lessons 2 and 3.

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.