Unit 1: Numeration

Lesson	Topics	Objectives
1.1	Place Value Decimals (Hundredths) Place Value Reading and Writing Numbers	-demonstrate an understanding of place value in whole numbers and decimal numbers from 0.01 to 100 000, using a variety of tools and strategies (e.g., use numbers to represent 23 011 as 20 000 + 3000 + 0 + 10 + 1 -read and print in words whole numbers to ten thousand, using meaningful contexts (e.g., newspapers, magazines);
1.2	Number Lines Comparing whole numbers (>, <, =) Comparing decimal Numbers (>, <, =)	-represent, compare, and order whole numbers and decimal numbers from 0.01 to 100 000, using a variety of tools (e.g., number lines with appropriate increments, base ten materials for decimals)
1.3	Rounding to the nearest 10s, 100s, 1000s Rounding to the nearest 10ths, 100ths, 1000ths	-round decimal numbers to the nearest tenth, in problems arising from real-life situations;
1.4	Counting by tenths and hundredths	-count forward by hundredths from any decimal number expressed to two decimal places, using concrete materials and number lines
1.5	Counting Money	read and write money amounts to $1000 (e.g., $455.35 is 455 dollars and 35 cents, or four hundred fifty-five dollars and thirty-five cents);

Unit 2: Arithmetic

Lesson	Topics	Objectives
2.1	Estimation	-use estimation when solving problems involving the addition, subtraction, multiplication, and division of whole numbers, to help judge the reasonableness of a solution
2.2	Adding Whole Numbers	
2.3	Adding Decimals	-add and subtract decimal numbers to hundredths, including money amounts, using concrete materials, estimation,and algorithms (e.g., use 10 x 10 grids to add 2.45 and 3.25);
2.4	Subtracting Decimals	
2.5	Working with Money (adding/Subtracting)	
2.6	Estimating Products and Quotients Multiplying by Tens	– multiply decimal numbers by 10, 100, 1000,and 10 000,and divide decimal numbers by 10 and 100, using mental strategies (e.g., use a calculator to look for patterns and generalize to develop a rule);
2.7	Dividing 3 and 4 Digit Numbers	– divide three-digit whole numbers by one-digit whole numbers, using concrete materials, estimation, student-generated algorithms,and standard algorithms;
2.8	Multiply Decimal number by whole numbers	
2.9	Divide Decimal number by whole numbers	

Unit 3: Fractions

Lesson	Topics	Objectives
2.1	Representing Proportions as Fractions	
2.2	Equivalent Fractions	-demonstrate and explain the concept of equivalent fractions, using concrete materials
2.3	Comparing / Ordering fractions (>, <, =)	
2.4	Improper Fractions and Mixed Numbers	-represent, compare, and order fractional amounts with like denominators, including proper and improper fractions and mixed numbers, using a variety of tools (e.g., fraction circles, Cuisenaire rods, number lines) and using standard fractional notation

Unit 4: Geometry

Lesson	Topics	Objectives
3.1	Classifying Angles Constructing Triangle Classifying Triangles by Angles	-identify and classify acute, right, obtuse, and straight angles -measure and construct angles up to 90º, using a protractor – construct triangles, using a variety of tools (e.g., protractor, compass, dynamic geometry software), given acute or right angles and side measurements
3.2	Classifying Triangles by Side Length	– identify triangles (i.e., acute, right, obtuse, scalene, isosceles, equilateral), and classify them according to angle and side properties
3.3	Regular vs Irregular Polygons Symmetry	-distinguish among polygons, regular polygons, and other two-dimensional shapes
3.4	Classifying 3D shapes: prisms and Pyramids	– distinguish among prisms, right prisms, pyramids, and other three-dimensional figures
3.5	Constructing 3D shapes from Nets	- identify prisms and pyramids from their nets – construct nets of prisms and pyramids, using a variety of tools (e.g., grid paper, isometric dot paper, Polydrons, computer application)
3.6	Translating and Reflecting Shapes	-identify, perform, and describe translations, using a variety of tools – create and analyse designs by translating and/or reflecting a shape, or shapes, using a variety of tools