

## Curriculum

Class: Grade 5

Cycle: 2

Subject: Math

Textbook: Mathematics (Puissance

Learning Domains/Units	Objectives	Learning Outcomes/ Competencies
Algebra	Natural Numbers	<ul style="list-style-type: none"><li>- Understand the place value chart</li><li>-Add and subtract natural numbers</li><li>-Multiply and divide natural numbers</li><li>-Solve problems on natural numbers</li><li>-Find the multiples of a number</li><li>-Find the divisors of a number</li><li>-Find the common divisors of numbers</li></ul>
	Divisibility Rules	<ul style="list-style-type: none"><li>-Understand the divisibility rules by 2, 5, 10, 3, 9, &amp; 4</li><li>-Apply divisibility rules on problem solving</li></ul>
	Dividing by a 3 digit number	<ul style="list-style-type: none"><li>-Understand and apply the Euclidean rule with its four elements</li></ul>
Geometry	Angles	<ul style="list-style-type: none"><li>-Study properties of angles</li><li>-Understand parts of the angles and their kinds</li><li>-Measure and construct angles using the protractor</li></ul>
Algebra	Fractions	<ul style="list-style-type: none"><li>-Understand fractions less, equal and greater than 1</li><li>-Focus on how to read and write fractions</li><li>-Find equivalent fractions</li><li>-Simplify fractions</li><li>-Compare fractions with same denominators</li><li>-Compare fractions with same numerator</li><li>-Compare fractions with different denominators and different numerators</li><li>- Add &amp; subtract fractions with same denominators</li><li>-Add and subtract fractions with different denominators</li><li>-Solve problems on fractions</li><li>-Solve equations with whole numbers, fractions and parenthesis</li><li>-Change mixed numbers to fractions</li><li>-Order mixed numbers</li><li>-Compare mixed numbers</li><li>-Change fraction of a number to a whole number</li></ul>

		-Solve problems having mixed numbers and fraction of a number
	Decimal numbers	-Change decimals to fractions -Change fractions to decimals -Understand the decimal place value chart -Compare decimal fractions -Arrange decimals -Add and subtract decimals with other decimals -Add and subtract decimals with whole numbers -Solve problems on decimals -Multiply and divide decimals by 10, 100&1000 -Solve problem on decimals & multiples of 10 -Multiply decimals with other decimals -Solve problems on multiplying decimals
	Measuring length, mass & capacity	-Focus on the conversion table with its units to change units of length, mass and capacity -Solve problem on units conversion
	Division	-Divide with exact quotient -Divide with decimal quotient -Divide a decimal by a number -Divide with numbers ending with zeros -Divide a decimal by a decimal -Solve problems on decimals
Geometry	Parallel and perpendicular lines	-Focus on the properties of parallel and perpendicular lines -Draw parallel lines -Draw perpendicular lines -Prove 2 parallel line
	Polygons	-Focus on and apply the properties of a square, a rectangle, a rhombus, and a parallelogram -Construct parallelograms starting with diagonals
	Circles	-Define a circle and its parts -Draw circles using the compass
	Surfaces and areas	-Define perimeter and area -Solve problems on perimeter and area of polygons and on length and area of a disc