

Curriculum

Class: Grade 6

Subject: Mathematics

Textbook: Collection Puissance

Learning Domains/ Units	Objectives	Learning Outcomes/ Competences
Algebra	Greatest Common Divisor GCD.	<ol style="list-style-type: none">Learn the divisibility rules.Find the divisors of numbers.Find the GCD of 2 natural numbers.Define relatively prime numbers.Solve problems about GCD.
Algebra	Fractions.	<ol style="list-style-type: none">Distinguish the terms of a fraction.Simplify fractions.Define reducible and irreducible fractions.Write decimal fractions.Solve problems about fractions.
Algebra	Power.	<ol style="list-style-type: none">Learn the meaning of power.Calculate powers of exponents 2 and 3.Calculate powers of 10.Write the expanded form of natural numbers.

Algebra	Decimals.	<ul style="list-style-type: none"> a. Multiply and divide a decimal by 10, 100, 1000. b. Change in metric system. c. Change a decimal to a fraction and back. d. Define tenths, hundredths and thousandths. e. Write a decimal number in terms of 10 and $\frac{1}{10}$. f. Round decimal numbers. g. Compare decimal numbers.
Algebra	Least Common Multiple LCM.	<ul style="list-style-type: none"> a. Find the multiples of a natural numbers. b. Find the LCM of 2 natural numbers. c. Learn the properties of GCD and LCM. d. Solve problems about using GCD and LCM of numbers.
Algebra	Operations on Fractions.	<ul style="list-style-type: none"> a. Define a fraction of a number. b. Review addition and subtraction of fractions. c. Multiply fractions. d. Find the inverse of a fraction. e. Divide fractions. f. Finding mixed numbers.

Algebra	Quotient and Ratio.	<ul style="list-style-type: none"> a. Define quotients and ratios. b. Frame a quotient. c. Find the approximate value of a quotient. d. Write the ratio of 2 magnitudes. e. Solve problems about ratios.
Algebra	Priority of Operations.	<ul style="list-style-type: none"> a. Calculate without parentheses. b. Calculate with parentheses.
Algebra	Proportionality.	<ul style="list-style-type: none"> a. Find proportional sequences and the coefficient of proportionality. b. Find the fourth proportional. c. Calculate the percentage of a number.
Algebra	Calculation of Literal Expression.	<ul style="list-style-type: none"> a. Define literal expressions. b. Use priority rules to solve equations.
Algebra	Integers.	<ul style="list-style-type: none"> a. Drawing a number line or axis. b. Define the abscissa and image and integers. c. Learning the distance from zero. d. Define opposite numbers. e. Compare integers.

Algebra	Operations on Integers.	<ul style="list-style-type: none"> a. Add integers. b. Subtracting integers.
Algebra	Areas	<ul style="list-style-type: none"> a. Find the different units of area. b. Define metric units of area. c. Define acres and hectares. d. Compare areas. e. Find the areas of different geometric figures.
Algebra	Statistics.	<ul style="list-style-type: none"> a. Find the percentage and drawing graphs. b. Use circular diagrams for percentages. c. Use circular diagrams for frequencies. d. Solve problems about statistics.
Geometry	Relative positions of Two Lines in a Plane.	<ul style="list-style-type: none"> a. Define: Line, Semi line, Segment, Collinear points, Parallel, Perpendicular lines, Intersecting lines and Coinciding lines. b. Draw the distance between a point and a line. c. Draw perpendicular lines to the same line. d. Draw parallel lines to the same line. e. Draw a line parallel to a line through a point.

<p>Geometry</p>	<p>Circle.</p>	<ul style="list-style-type: none"> a. Define: Circle, Center, Radius, Diameter, Chord and Arc. b. Recognize the different positions of a point with respect to a circle. c. Recognize the different positions of a line with respect to a circle.
<p>Geometry</p>	<p>The perpendicular Bisector of a Segment.</p>	<ul style="list-style-type: none"> a. Define the perpendicular bisector of a segment. b. Learn the properties of the perpendicular bisector. c. Construct the perpendicular bisector of a segment.
<p>Geometry</p>	<p>Angles.</p>	<ul style="list-style-type: none"> a. How to represent an angle. b. Define: right, obtuse, acute and straight angles. c. How to measure and draw angles using protractor. d. Define adjacent angles. e. Define complementary and supplementary angles. f. De fine vertically opposite angles. g. Draw the bisector of an angle using compass.

<p>Geometry</p>	<p>Triangles.</p>	<ol style="list-style-type: none"> a. Define: vertices, sides and angles. b. Construct different kinds of triangles. c. Find the sum of angles in a triangle. d. Recognize the remarkable lines in a triangle: median, height, bisector and perpendicular bisector. e. Learn about different kinds of triangles.
<p>Geometry</p>	<p>Center of Symmetry</p>	<ol style="list-style-type: none"> a. Draw the symmetry with respect to a point. b. Draw symmetrical figure. c. Recognize the center of symmetry of a figure.
<p>Geometry</p>	<p>Axis of Symmetry</p>	<ol style="list-style-type: none"> a. Define axis of symmetry. b. Learn the properties of the axis of symmetry. c. Draw symmetrical figures. d. Draw the axis of symmetry of some figures.