

Curriculum

Class: **Grade 7**

Subject: **Mathematics**

Textbook: **Collection Puissance**

Learning Domains/ Units	Objectives	Learning Outcomes/Competences
Algebra	I. Addition and Subtraction of Signed Numbers.	<ul style="list-style-type: none">a. Define signed numbers.b. Represent a signed number on an axis.c. Compare two signed numbers.d. Understand the meaning of opposite numbers.e. Add and subtract of signed numbers.f. How to use different methods in calculation.
Algebra	II. Multiplication and Division of signed numbers.	<ul style="list-style-type: none">a. Multiplying signed numbers.b. Dividing signed numbers.c. Solving equations using order of operation.
Algebra	III. Powers.	<ul style="list-style-type: none">a. Use the power notation.b. Calculate the product and quotient of two powers of the same positive number.c. Calculate power of a power.d. Calculating powers of 10.e. Writing in scientific notation.f. Solving equations using order of operation.

Algebra	IV.Prime Numbers.	<ul style="list-style-type: none"> a. Define a prime number. b. Recognizing a prime number.
Algebra	V.Writing a Natural Number as a product of Prime Factors.	<ul style="list-style-type: none"> a. Decompose a number into prime factors. b. Using vertical methods in decomposition.
Algebra	VI.GCD and LCM.	<ul style="list-style-type: none"> a. Find the GCD of two natural numbers. b. Find the LCM of two natural numbers. c. Using the rules for finding GCD and LCM.
Algebra	VII.Equations.	<ul style="list-style-type: none"> a. Define an equation. b. Add, Sub, Multiply and Divide the same number from both sides of an equation doesn't change the answer. c. Solve equations.
Algebra	VIII.Algebraic Expression.	<ul style="list-style-type: none"> a. Knowing the def. of the term algebraic , monomial, coefficient, variable and algebraic exp. b. Finding like terms. c. Reducing like terms. d. Multiplying monomials. e. Performing calculations on monomials.

Algebra	IX.Expanding and Factorization.	<ul style="list-style-type: none"> a. Developing and reducing algebraic expressions. b. Factorizing algebraic expressions.
Algebra	X.Fractions.	<ul style="list-style-type: none"> a. Define a fraction. b. Simplifying fractions. c. Reducible and irreducible. d. Using different methods for reducing fractions.
Algebra	XI.Decimal Fractions.	<ul style="list-style-type: none"> a. Write a decimal fraction as a decimal number. b. Recognize a non decimal fraction. c. Define rational and irrational fractions.
Algebra	XII.Proportion.	<ul style="list-style-type: none"> a. Recognizing a proportionality situation. b. Reconizing a proportion. c. Transforming a proportion to find another. d. Calculate the fourth proportion..

Geometry	I.The Essential To Start.	<ul style="list-style-type: none"> a. Define a st. line, segment, semi line and midpoint. b. Define an angle and kinds of angles. c. Distinguishing complementary and supplementary angles. d. Learning adjacent and vertically opposite angles. e. Drawing the bisector of an angle. f. Learning the perpendicular bisector and its ppts. g. Drawing and learning about circles. h. Drawing the symmetry Of a pt, segmet and a figure w.r.t to a point and a line.
Geometry	II.Triangles and Remarkable Lines in a Triangle.	<ul style="list-style-type: none"> a. Constructing the different kinds of triangles. b. Knowing the nature of triangles. c. Constructing the remarkable lines in any triangle. d. Problems to find missing angles in any triangle.
Geometry	III.Congruent Triangles.	<ul style="list-style-type: none"> a. By angle, side, angle. b. By side, angle, side. c. By side, side, side.

<p>Geometry</p>	<p>IV.Parallel Lines.</p>	<ul style="list-style-type: none"> a. Learning the ppts. concerning parallel and perpendicular lines. b. Proving Euclid's postulate. c. Identifying alternate and corresponding angles. d. Learning the ppts. of alternate and corresponding angles.
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