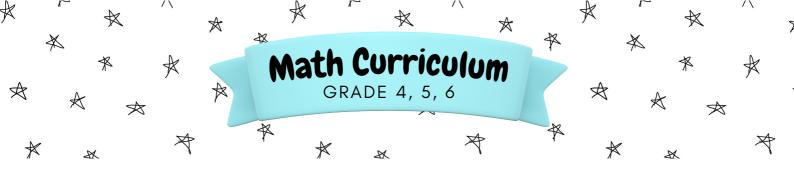
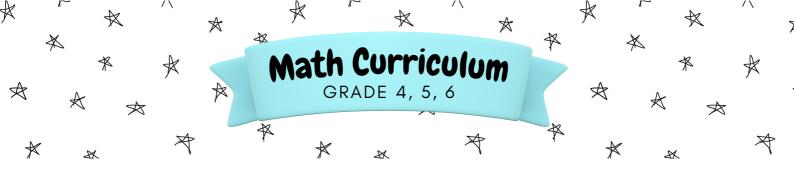


Numbers and Number Sense
Multiplication of whole numbers
Division of whole numbers
Rounding numbers up to the nearest million
Divisibility rules for 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 12
Order of operations - PEMDAS
Multi-step word problems
Factors and Multiples
Concept of factors
Prime vs. composite numbers
Prime factorization
Greatest common factor
Concept of multiples
Least common multiple
Fractions
Concept of fractions
Simplifying fractions / changing fractions to their lowest forms
Proper fractions vs. improper fractions vs. mixed numbers
Addition of fractions (same and different denominators)
Subtraction of fractions (same and different denominators)
Multiplication of fractions
Division of fractions

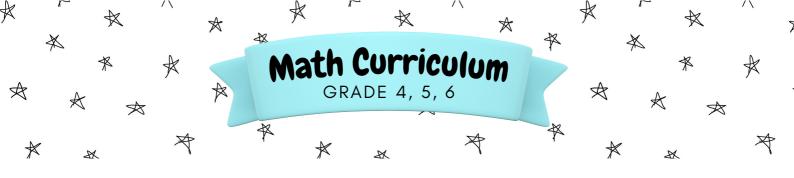


Decimals
Concept of decimals
Place value of decimals
Rounding off decimals
Converting decimals to fractions and vice versa
Addition of decimals
Subtraction of decimals
Multiplication of decimals
Division of decimals
Repeating, non-terminating decimals
Ratio and Proportion
RATIO Concept of ratio
Expressing ratios in simplest forms
Converting ratio to fraction and vice versa
Finding the missing term in a pair of equivalent ratios
PROPORTION
Concept of proportion
Finding the missing term in a proportion
Percent
Concept of percent
Percent in relation to fractions, decimals, and ratios
Finding percentage, rate, and base

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Percent problems, including word problems involving discounts, commission, sales tax, and simple interest
Integers
Concept of integers
Compare and arrange integers
Basic operations: addition, subtraction, multiplication, and division of integers
Exponents
Exponent and base
Geometry
LINES
Parallel lines
Perpendicular lines
Intersecting lines
ANGLES
Right, acute, and obtuse angles
POLYGONS
Types of triangles according to sides and angles
Kinds of quadrilaterals: square, rectangle, parallelogram, trapezoid, and rhombus
Names of polygons with 5 or more sides
Regular and irregular polygons
Congruent polygons



PERIMETER
Perimeter of a triangle
Perimeter of a square
Perimeter of a rectangle
Perimeter of a parallelogram
Perimeter of a trapezoid
Circumference of a circle
AREA
Area of a square
Area of a rectangle
Area of a triangle
Area of a parallelogram
Area of a trapezoid
Area of a circle
Area of composite figures formed by two or more shapes
Converting sq. cm to sq. m and vice versa
SOLID FIGURES
Solid figures vs. plane figures
Solid figures: cube, prism, pyramid, cylinder, cone, and sphere
VOLUME
Volume of a cube
Volume of a rectangular prism
Volume of a cylinder
Volume of a pyramid
Volume of a cone

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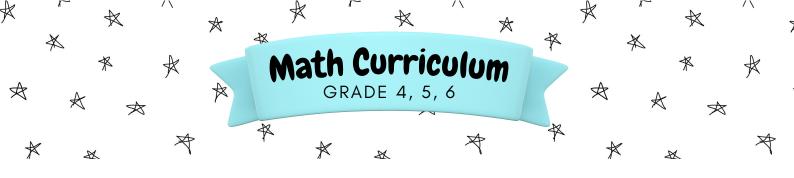
	Volume of a sphere
	Converting cu. cm to cu. m and vice versa
	Converting cu. cm to L and vice versa
SUF	RFACE AREA
	Surface area of a cube
	Surface area of a prism
	Surface area of a pyramid
	Surface area of a cylinder
	Surface area of a cone
	Surface area of a sphere
Me	easurement
	Speed
	Distance
	Temperature
	Time
	Computing elapsed time
	12-hour and 24-hour clocks
	Calculating time in different time zones in relation to the Philippines
	Electric and water consumption

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Statistics
Tables
Bar graphs
Line graphs
Pie graphs
Algebra
Solving for the unknown in simple equations
Representing quantities in real-life situations using algebraic expressions and equations
Number Patterns
Finding the next term in a sequence
Finding the missing term in a sequence
Finding the nth term in a sequence
Probability
Phrases expressing probability, e.g., 50% chance of rain, one in a million chance of winning
Making predictions based on the results of experiments