

MITCON International School

Syllabus (2019-2020)

Grade: IV

Subject: Math

Volume	TOPICS	SUB-TOPICS
April	5- Digit Numbers	<ul style="list-style-type: none"> Counting by 1,000s and 10,000s. Place, Face Value and Value Expanded Form and Number Names Roman Numerals
	Comparing 5- Digit Numbers	<ul style="list-style-type: none"> Comparing Numbers Arranging Numbers in Order Forming Numbers Rounding Off to the Nearest 1,000
	Adding 4-Digit Numbers	<ul style="list-style-type: none"> Adding Using the Expanded Form Adding by the Column Method (without Regrouping) Adding by the Column Method (with Regrouping) Estimating the Sum
June	Subtracting 4- Digit Numbers	<ul style="list-style-type: none"> Subtracting by the Expanded Form Regrouping 10s and 100s Regrouping 10s, 100s and 1000s Estimating the Difference
	Multiples	<ul style="list-style-type: none"> Multiples of 7 Multiples of 2, 4 and 8 Multiples of 5 and 10 Multiples of 3, 6 and 9
	Factors	<ul style="list-style-type: none"> Finding Factors Using Square Tiles Finding Factors Using Multiplication Finding Common Factors Solving Word Problems
July	3-D Shapes as 2-D Shapes	<ul style="list-style-type: none"> Properties of 3- D Shapes Nets Views of Objects Views on Square Grids
	Lines	<ul style="list-style-type: none"> Points, Line, Line Segments Measuring Line Segments Drawing Line Segments Parallel, Intersecting and Perpendicular Lines.

	Circles	<ul style="list-style-type: none"> • Circles and its Features • Using a Compass • Constructing Circles • Diameter and Circumference
August	Patterns	<ul style="list-style-type: none"> • Creating Patterns • Tessellating Patterns • Pattern Rules • Number Patterns
	Multiplying Using the Box Model	<ul style="list-style-type: none"> • Multiply by Multiples of 10 • Multiply 3-Digit Numbers by 1-Digit Number • Multiply 3-Digit Numbers by 1-Digit Number • Solve Multiplication Problems
	Multiplying Using the Column Method	<ul style="list-style-type: none"> • Multiplying 3-Digit Numbers by 1-Digit Numbers • Multiplying 3-Digit Numbers by 2-Digit Numbers (without Regrouping) • Multiplying 3-Digit Numbers by 2-Digit Numbers (with regrouping) • Estimating the Product
October	Dividing by 1-Digit Numbers	<ul style="list-style-type: none"> • Dividing 2-Digit by 1-Digit without Remainder • Dividing 2-Digit by 1-Digit with Remainder • Dividing 3-Digit by 1-Digit without Remainder • Dividing 3-Digit by 1-Digit with Remainder
	Dividing by 2-Digit Numbers	<ul style="list-style-type: none"> • Dividing by multiples of 10 • Dividing 2-Digit Numbers by 2-Digit Numbers • Dividing 3-Digit Numbers by 2-Digit Numbers • Solving Multi-Step Problems
	Length	<ul style="list-style-type: none"> • Halves and Fourths of a Meter • Centimeter and Meter • Meter and Kilometer • Solving Problems on Length
November	Perimeter	<ul style="list-style-type: none"> • Perimeter of Irregular Shapes • Perimeter of Squares and Rectangles • Finding the Perimeter • Solving Perimeter Problems
	Introduction to Area	<ul style="list-style-type: none"> • Area Using Non-Standard Units • Area Using Squared Paper • Comparing Area • Solving Area and Perimeter Problems
	Weight and Capacity Conversions	<ul style="list-style-type: none"> • Kilograms and Grams • Solving Weight Problems • Liters and Milliliters • Solving Capacity Problems

December	Representing Fractions	<ul style="list-style-type: none"> • Fraction of a Whole • Representing a Fraction of a Collection • Finding a Fraction of a Collection • Solving Fraction Problems
	Equivalent Fractions	<ul style="list-style-type: none"> • Comparing Fractions • Finding Equivalent Fractions • Making Equivalent Fractions • Simplest Form
January	Like Fractions: Adding & Subtracting	<ul style="list-style-type: none"> • Fractions that Add to One Whole • Adding Fractions • Subtracting Fractions • Word Problems on Fractions
	Time on a Clock (To the Minute)	<ul style="list-style-type: none"> • Time up to 5 Minutes • Time to the Minute • Time on a 12-hour Clock • Time on a 24-hour Clock
3	Elapsed Time	<ul style="list-style-type: none"> • Converting Time • Finding Elapsed Time • Finding the Start or End Time • Adding and Subtracting Time
February	Money	<ul style="list-style-type: none"> • Rupees and Paise • Making up an amount • Adding and Subtracting Money • Preparing Bills
	Graphs and Charts	<ul style="list-style-type: none"> • Reading Scaled Bar Graphs • Drawing Scaled Bar Graphs • Reading Circle Charts • Drawing Circle Charts