

VII

Annual plan

maths

Sr No.	Month	Topic	sub topic	objective of the topic	Period required	Teaching Aids	Assign-ment.
1)	June	Integers	Integers representation closure property commutative Associative Multiplicative Identity Division & Multiplication of Integers	student will be able to - Define Integer - To Represent Integers on a Number line - Explain various properties of Integers - Using the properties while solving the example.	10	Board duster.	A game for practicing Addition of Integers
2)	July	fraction and Decimal	- Proper fraction - Improper fraction - Mixed fraction - Multiplication of fraction. - Division of the fraction	student will be able to - Define proper, improper & mixed fraction - Multiply & divide two fractions		A cardboard daily model for explaining like	RS → Paise & Paise → RS
3)	August	Data handling	collection of data - organisation of data Representation Arithmetic Mean, range Mode of large No. median	student will be able to - collect the data of different - Organise the given data - Define arithmetic mean - calculate Arithmetic mean - calculate range	8	Board pen duster	collect marks of your classmate in first term of math & find the mode & median.

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4.	August	Simple Equations	<ul style="list-style-type: none"> - Equation solving Eqⁿ. - from solⁿ to Eqⁿ - Application of simple Eqⁿ 	<ul style="list-style-type: none"> student will be able to set up an Eqⁿ, solve the Eqⁿ - Making eqⁿ from the given eqⁿ solⁿ 	11	Board, pen duster	collect the information regarding the containers of different capacities in your kitchen
5.	September	Lines and angles.	<ul style="list-style-type: none"> - Lines - Lines seq pair of complementary supplementary Adjacent pair 	<ul style="list-style-type: none"> student will be able to Define line and line seq angle and complementary, supplementary and Adjacent 	11	Board, pen scale, pencil table, some pins	find the various adjacent angle in object we are using daily find the various angle.
6.	September	The Triangle and its properties	<ul style="list-style-type: none"> - Isosceles Triangle. - sum of the length of two sides of a Triangle - Right angled triangle & pythagorus property 	<ul style="list-style-type: none"> Apply pythagorus The^m and property in right angled Triangle. 	12	Board, pen scale, Magnetic sticks.	finding Right angled figure In surrounding

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7)	October	Comparing Quantities	Comparison of two or more quantity - Equivalent ratio - Keeping thing	student will be able to - compare given quantities - explain Equivalent ratio - find Equivalent ratio of given ratios	11	Board, pen duster video different object of different quantity	Equal Altitude what can you say about their perimeter & Area.
8)	November	Rational Number	Def ⁿ of Rational no. Need of Rational no. +ve & -ve Rational no. on no. line	student will be able to - Define rational number - Explain need of rational No. - Define +ve & -ve rational No. - represent rational No. on a No. line	10	Board pen duster	Extra ex. on operations on rational numbers
9)	December	Perimeter and Area	square & square root other congruent part of rectangles	student will be able to - Define Area of a square & rectangle. - find Area of a square & rectangle - Area & perimeter of shapes	10	Board pen duster	Distinguish bet ⁿ perimeter & Area find Area perimeter of your class room.
10)	January	Algebraic Expression	Terms, factor Coefficient monomial Trinomial Addition & subtraction	students will be able to - define Algebraic Expression - term, coefficient factor - Types of Algebraic Expression.	10	Board pen duster digital clock.	Draw a pattern for first ten square No.s.

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11	february	Exponents & power	Exponents laws of exponents No. with Exponent zero. Decimal No. system Expressing large No.	students will be able to define Exponents explain laws of exponent use the laws of exponent to solve example find the value of no. with exponent zero. Express given no. in standard form	10	Board, pen duster	Mixed example on law of exponent Make a chart for showing laws of exponents
12	february	Symmetry	Introduction Line of symmetry Rotational symmetry.	student will be able to Explain the concept of symmetry Identify a line of symmetry Define rotational symmetry find order of symmetry for different shapes	11	Board, pen duster symmetrical object mirror.	
13	March	Visualising solid shapes	Introduction plane figure & solid figure Identity face Edges & vertices of Shapes	student will be able to Define 3D shapes distinguish bet ⁿ plane solid fig.	12	white board, pen duster scale paper Cubes.	