ARUR EDUCATIONAL AND WELFARE TRUST

Lower Elementary – Maths

Term – 1, Term - 2

Year – 1	Year -2	Year -3
Finding Sums on the Addition Strip Board	Finding Multiples Using Coloured Bead Bars	Learning About Prime Numbers Using Multiples Table C
Finding Essential Combinations on the Addition Strip Board	Learning About Multiples Using the Algebraic Pegboard	Learning About Factors Using the Algebraic Pegboard
Adding with Zero on the Addition Strip Board	Finding the Lowest Common Multiple Using the Algebraic Pegboard	Identifying Prime Factors
Doubling Addends on the Addition Strip Board	Graphing Multiples on the Chart of Multiples	Identifying Prime Factors Using the Algebraic Pegboard
Using Addition Chart 3	Learning About Multiples Using the Multiples Tables	Building Lowest Common Multiples
Using Addition Chart 5	Multiplying with the Small Bead Frame	from Prime Factors Using the Algebraic Pegboard
Playing a Bingo Game with Chart 6	Multiplying with the Large Bead Frame	Using Prime Factors to Find Lowest Common Multiples and Greatest Common Factors
Playing Games to Memorize Addition Facts	Exploring the Flat Bead Frame	Multiplying by a 2-Digit Multiplier Using the Flat Bead Frame
Learning About the Basic Formats of Addition	Multiplying by a 1-Digit Multiplier Using the Flat Bead Frame	Multiplying by a 2-Digit Multiplier Using the Checkerboard
Playing the Addition Snake Game	Exploring the Checkerboard	Drawing Using the Checkerboard
Using the Subtraction Strip Board	Multiplying by a 1-Digit Multiplier Using the Checkerboard	Introduction to Adding Fractions with Different Denominators
Using Subtraction Chart 2	Multiplying a 4-Digit Number by a 1-Digit Multiplier Using the Bank Game	Introduction to Subtracting Fractions with Different Denominators
Playing a Bingo Game with Subtraction Chart 3	Exploring the Long Division Material	Multiplying Fractions by Whole Numbers
Playing Games to Memorize Subtraction Facts	Dividing by 1-Digit Numbers Without Remainders	Dividing Fractions by Whole Numbers
Learning About the Basic Formats of Subtraction	Dividing by 1-Digit Numbers with Remainders	Dividing Fractions by Whole Numbers when Equivalent Fractions Must Be Made First
Playing the Subtraction Snake Game	Dividing by 2-Digit Numbers Using the Long Division Material	Measure the length of an object by selecting and using appropriate tools such as rulers, yardsticks, meter sticks, and measuring tapes.

Using the Multiplication Bead Board	Understanding the Concept of Fractions	Measure the length of an object twice, using length units of different lengths for the two measurements; describe how the two measurements relate to the size of the unit chosen.
Finding Combinations of Numbers on the Multiplication Bead Board	Introducing Fractions Using the Fraction Skittles	Estimate lengths using units of inches, feet, centimetres, and meters.
Using Multiplication Chart 3	Introducing Fractions Using the Fraction Circles	Measure to determine how much longer one object is than another, expressing the length difference in terms of a standard-length unit.
Using Multiplication Chart 4	Putting Fractions in Order from a Whole to Tenths	Tell and write time from analog and digital clocks to the nearest five minutes, using a.m. and p.m.
Using Multiplication Chart 5	Matching Fractions from a Whole to One Tenth	Solve word problems involving Rupees, Paise. using Rs. and P symbols appropriately.
Playing Games to Memorize Multiplication Facts	Understanding the Parts of Fractions	Reading and Inferring from Bar Graphs
Learning About the Basic Formats of Multiplication	Understanding Written Fractions	Preparing Bar Graphs
Skip Counting Using the Short Bead Chains	Matching Fraction Tickets to Fraction Circles	Measuring Liquid Volumes Using Metric Measures
Skip Counting Using the Long Bead Chains	Constructing Fractions to Match Fraction Tickets	Working with Equivalent Volumes
Building the Decanomial	Finding Equivalences of Fractions	Calculating the Area of a Rectangle
Building the Decanomial Diagonally	Adding Fractions with the Same Denominator That Add Up to One or Less	Calculating the Area of a Square
Multiplying by 10	Adding Fractions with the Same Denominator That Add Up to More than One	Calculating the Area of a Parallelogram
Using the Unit Division Board	Introduction of Length – mm, cm, Inch, Meter, KM, Feet	Calculating the Area of Any Regular Polygon
Using Division Chart 1	Introduction of Weight – Mg, Kg	
Using Division Chart 2	Introduction of Denominations – Coins & Rupees	

Playing Games to Memorize Division Facts	Introduction of Time – Minutes & Hours	
Learning About the Basic Formats of Division	Order three objects by length; compare the lengths of two objects indirectly by using a third object.	
Learning About Geometric Representation to 1,000,000	Express the length of an object as a whole number of length units, by laying multiple copies of a shorter object (the length unit) end to end	
Learning About Numerals to 1,000,000	Tell and write time in hours and half-hours using analog and digital clocks.	
Exploring the Small Bead Frame		
Using the Small Bead Frame and Notation Paper		
Adding with the Small Bead Frame		
Adding with Exchanging, Using the Small Bead Frame		
Subtracting Using the Small Bead Frame		
Subtracting with Exchanging, Using the Small Bead Frame		