

The Orchid School
Baner
Syllabus Overview 2015- 2016
Std : V
Subject : Math

Month	Lesson / Content / Name of the Book	Expected Learning Objective	Activities/FAs Planned
APRIL	Block 1. NUMBERS	<ul style="list-style-type: none"> ●.Read and write numbers upto nine digits in Indian and International system. 	
	Block 1. NUMBERS	<ul style="list-style-type: none"> ●.Read and write numbers upto nine digits in Indian and International system. 	1. Card Game- for Large numbers.
	Block 1. NUMBERS	<ul style="list-style-type: none"> ●.Ordering and comparing numbers. and place value. ●.Application in real life situations. ●Expanded notation. 	
	Block3. Multiplying and Dividing, 4-digits by 2-digits. (to be continued)	<ul style="list-style-type: none"> ●Multiply 4- digit no. using box model and the column method. 	2. Making riddles .
	Block 3. Multiplying and Dividing, 4-digits by 2-digits.	<ul style="list-style-type: none"> ●Dividing 3- 4-digit no. using long division method 	1. Create your own story sums using the multiplication and division concepts.

JUNE	Block 3. Multiplying and Dividing, 4-digits by 2-digits.	•Dividing 4-digit no. using long division method / REVISION for FA 1	
	Block 4. Operations	REVISION for FA1/ •Recap of 9 digit addition and subtraction concepts using 9 digits no.s.	
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FA 1			
JULY	Block 4. Operations	•To solve multi step problems using any of the operation.	
	Block 4. Operations	•Story sums based on all the four operations.	
	Block 2. Factors	•Divisibility test of 2,3,4,5,6,9 and 10. •Primefactorization.	
	Block 2. Factors	•finding the LCM by listing the multiples. •finding LCM using long division method.	Make a factor tree.

	Block 2. Factors	<ul style="list-style-type: none"> ●To find Highest common factor by listing the factors of the numbers. 	
AUG	Block 5 Fractions Types of fractions	<ul style="list-style-type: none"> ●. Identify different types of fractions. ●.Representation of fractions in different forms (Like and unlike fractions, proper and improper fractions). 	<ol style="list-style-type: none"> 1. Colour to show equivalent fractions 2. show a graph of equivalent fractions
	Block 6 Fractions Addition and subtraction of fractions	<ul style="list-style-type: none"> ●Solve a story problem comparing the sizes of fraction. ●.Addtion and subtraction of frations(like and unlike). 	
	Block 7 Fractions Multiplication of fractions	<p>Multiply a fraction with whole no. and vice versa.</p> <ul style="list-style-type: none"> ●Multiply a fraction with a fraction using pictures and standard algorithm. ●.Apply multiplication of fractions in real life. 	<ol style="list-style-type: none"> 1. Activity using a square lined paper to build an understanding of multiplication of fractions.
	Block 8. Fractions Division of fractions	<ul style="list-style-type: none"> ●.Divide fractions by whole numbers and vice versa. ●.Divide fraction by fractions. ● Apply division of fractions in real life. ●.Divide fraction by fractions. ● Apply division of fractions in real life. 	
FA 2			

SEPT	Block 18. Patterns	<ul style="list-style-type: none"> ●To arrange shapes and figures in pattern to make designs. 	<ul style="list-style-type: none"> ●Draw a rangoli pattern that is symmetrical ●Activity on pg. no. 132 of the content book.
		REVISION for SA 1	
		SA 1 Exam	
		SA 1 Exam	
	Block 18. Patterns	<ul style="list-style-type: none"> ● Discuss various rules to form number patterns. 	<ul style="list-style-type: none"> ●look for the pattenrs in natural thngs like flowers, leaf etc.
SA 1			
	Block 10. Angles	<ul style="list-style-type: none"> ● Identifying the parts of angles. ●Differentiating angles into acute, obtuse or right. ● Estimating angles. 	<ul style="list-style-type: none"> ● Make a paper protractor.

OCT	Block 11. Angle Measures	<ul style="list-style-type: none"> • Using protractor to measure an angle to the nearest degree. • To draw an angle using protractor. • To measure angles in Shapes. 	<ul style="list-style-type: none"> • Measuring angles in different regular shapes.
	Block 15. Shapes and Properties	<ul style="list-style-type: none"> • Describe the angles in equilateral triangle, scalene and isosceles triangle. • Describe the angles in quadrilateral and derive its properties. • To draw a circle and describe its properties. 	To create and recognise angles through origami
	Block 16. 2 D and 3D Shapes	<ul style="list-style-type: none"> • To look for lines and planes of symmetry in 2-D and 3-D shapes. • To draw nets of cube, cuboid and cone. 	<ul style="list-style-type: none"> • Draw a 3-D shape using a isometric paper.
NOV	Block 12. Decimals, tenths, hundredths, thousandths.	<ul style="list-style-type: none"> • identification and representation of decimals. 	
	Block 12. Decimals, tenths, hundredths, thousandths.	<ul style="list-style-type: none"> • Fractions as decimals and vice versa. • Identify the place value of decimals. • Compare and order like and unlike decimals. 	<ul style="list-style-type: none"> • Project given on the Pg. no. 97 of the content book.

FA 3			
DEC	Block 13. Decimal, Adding and Subtracting	<ul style="list-style-type: none"> •.Addtion and subtraction of decimals. •. Application of addition & subtraction of decimals in story problems. 	
		REVISION for FA 3	
		FA 3	
		VACATIONS	
.....	Block14. Multiplying and Dividing Decimals	<ul style="list-style-type: none"> •.Multiplying and Dividing decimals. •. Application of multiplication and division of decimals in story problems. 	To reinforce conversion of decimal to fraction through cards game.
	Block 17. Symmetry	<ul style="list-style-type: none"> •.Explore intuitively rotations and reflections of familiar 2-D shapes. •.To look for symmetry in designs. 	•Draw a rangoli pattern that is symmetrical

JAN	Block 21. Length	<ul style="list-style-type: none"> • Identify the relation of various standard units of length to metre. • Convert a bigger unit of length to a smaller unit and viceversa. 	
	Block 21. Length	<ul style="list-style-type: none"> • Apply the conversion of units of length in story problems involving all four operations. 	Estimate the length of the objects shown.
FA 4			
FEB	Block 22. Weight and Capacity	<ul style="list-style-type: none"> • List various standard units of weight. • Convert a bigger unit of weight to a smaller unit and viceversa. • Apply the conversion of units of weight in story problems. 	Estimate the weight of the objects shown.
	Block 19. Area and Perimeter	<ul style="list-style-type: none"> • Deduce the formulae to find the perimeter and area of a square and a rectangle and use the same. 	1. Measure different objects like table, door, bookphoto frame etc. Find out the perimeter and the area of the same.
	Block 20. Volume	<ul style="list-style-type: none"> • Find volume of a cube or a cuboid using formula. Differentiate between volume and capacity.	

MARCH	Block23. Time on a clock	<ul style="list-style-type: none"> ● Conversion of units of time. ● To calculate elapsed time. ● To add and subtract time. 	<ul style="list-style-type: none"> ● Note the time when you start and finish an activity. Calculate the time elapsed for that activity.
	Block 24. Money	<ul style="list-style-type: none"> ● To find the unit cost of the article. ● To understand which is a better buy. ● Deduce profit and loss using formula. 	Activity: Which is better buy?
	Block25. Data Handling	<ul style="list-style-type: none"> ● To read and present data in the form of Bar graph. ● To read and present data in the form of circle graph. ● To read and present data in the form of line graph. 	<ul style="list-style-type: none"> ● Represent the collected data in different types of graph.
		REVISION SA 2	
		SA 2	
SA 2			