

Mathematics - (041)

Movers 1

Book Name – Learning Mathematics

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Unit Test 1

Activity	Name	Teaching Strategy	Learning outcome	Weightage
Pen paper test	Ch-1 Knowing our numbers Ch-5 Basic Geometrical Concepts	-Accelerated Learning/ Active Learning Games /Experiments/Simulations, Discussion Strategy , Active Learning	-To create the ability to understand Indian and International Place Value System -To develop the ability to recognize the plane shapes and identify their parts	10 Marks

Copy Assessment (5 Marks)

Practical lab work (5 Marks)

Half yearly

Chapters	Teaching Strategy	Learning outcome	Weightage
Ch-2 Whole Numbers	-Ability Based Learning	-To create the ability to learn different properties of whole numbers and solving daily life problems	80 Marks
Ch-7 Fractions	-Problem based Learning	-To develop the ability to understand different types of fractions and their use in daily life	
Ch-8 Decimals	-Ability Based Learning	- To cater the ability of changing fractions into decimals and vice-versa	
Ch-10 Data Handling	Collaborative Learning and Teaching with cases	-To cater the ability of deriving results from the given data	
Ch13- Symmetry	Games /Experiments/Simulations	-To cater the ability to identify lines of symmetry of different shapes	

Half yearly will include Ch - 1, 2, 5, 7, 8, 10,13

Unit Test 2

Activity	Name	Teaching Strategy	Learning outcome	Weightage
Pen paper test	Ch-4 Integers	-Active Learning and teaching with cases	-To develop the ability to add and subtract the negative and positive numbers and using it in daily life	10 Marks
	Ch-6 Understanding elementary shapes	-Experiential Learning	-To cater the ability to understand different types of angles, triangles and identify them in environmental around	

Copy Assessment (5 Marks)

Practical lab work (5 Marks)

Yearly

Chapters	Teaching Strategy	Learning outcome	Weightage
Ch-3 Playing with numbers	-Accelerated Learning and Games	-To Create the ability to find factors and multiples of a number	80 Marks
Ch-9 Ratio and Proportions	-Critical Thinking	-To develop the ability of comparing two quantities of same type and solving real life problems	
Ch-11 Mensuration	-Discussion Strategy	-To cater the ability of finding perimeter and areas of different shapes and using it in life	
Ch-12 Algebra	-Critical Thinking	-To create the ability of generalizing a problem and finding its solution by using variables and constants	
Ch-14 Practical Geometry	-Interdisciplinary Teaching	-To create the ability to construct exact figures of given information using ruler, compass etc	

Yearly Exam will include Ch-,3, 4, 6,7, 9, 11, 12, 14

Activities to be conducted during the session

- ✓ Representation of parts of circle by cut and paste method.
- ✓ Commutative property of addition and multiplication.
- ✓ Addition of Integers using colored dots.
- ✓ Sieve of Eratosthenes.
- ✓ To make a cube using the given net and count the number of faces, vertices and edges by paper folding Activity.
- ✓ Make a (i) Straight angle (ii) Right angle (iii) Acute angle (iv) Obtuse angle (v) Reflex angle by paper folding activity method.
- ✓ To represent decimal numbers 0.25, 0.5, 0.65, 0.38 etc on a 10x10 grid by shading.
- ✓ To make a line segment on a paper and to make a perpendicular line from a point on the given line by paper folding activity method.
- ✓ To make two intersecting lines and to prove that these lines intersect at one point only by paper folding activity method.
- ✓ To make a line segment on a paper and make a parallel line by paper folding activity method.