PANCHSHEEL PUBLIC SCHOOL SESSION 2024-25 ENTRANCE EXAMINATION

CLASS - 5 SYLLABUS STUDY MATERIAL SAMPLE PAPER

MATHEMATICS

SYLLABUS Class 5

1. Common counting

(place value, successor and predecessor)

2. Integral operation

(addition, subtraction, multiplication, division)

3. Various factors (multiple and factors)

<u>CHAPTER – 1</u> COMMON COUNTING

Counting numbers are the set of numbers that we use to learn how to

count. 1,2,3 ... and so on.

They are also called natural numbers—maybesince they feel natural to us because they are naturally the first numbers we learn.



Place Value:

Describes the position or place of a digit in anumber. Each digit has a place in a number. When we represent the number in general form, the position of each digit will be expanded.

Those positions start from a unit place or we also call it one's position.

Indian Place Value Chart						
Periods	Figures	Places				
Crores	Ten Crores 10,00,00,000	тс				
	Crores 1,00,00,000	С				
Lakhs	Ten Lakhs 10,00,000	TL				
	Lakhs 1,00,000	L				
Thousands	Ten Thousands 10,000	т-тн				
	Thousands 1,000	тн				
Ones	Hundreds 100	н				
	Tens 10	т				
	Ones 1	0				

Successor: The number that comes just after agiven number is called

successor.



Predecessor: The number that comes just before given number is called predecessor.

PREDECESSOR OF A NUMBER

Predecessor of a Number is a Number One Less Than That Number Successor and predecessor are used for the terms/numbers that are just after or just beforeany term/number, respectively.



To find the predecessor of a number, subtract 1 from the given number.



<u>CHAPTER -2</u> INTEGRAL OPERATION

In addition and subtraction of integers, we will learn how to add and subtract integers with the same sign and different signs.



To add the numbers together, the sign "+" isused. The numbers we are going to add are called "addends" and the result that we are going to obtain is called SU

sum".

The addition process involves two or more addends which can be any digit number.

					\bigcirc				
1.	4	0	6	2.	7	2	3		
+	3	1	3	+	1	8	9		
Ans.	7	1	9	Ans.	9	1	2		
3	- 3				6	9	0		
3.	6	5	3	4.	7	0	0		
+	3	3	3	10000	5	9	9		
Ans.	9	8	6	Ans.	1	0	1		
105	4	15	95,411						
5.	5	5	7						
	2	7	7	-					
Ans.	2	8	0						

Subtraction

To subtract a number from another number isalso referred to as 'taking away one number from another'.

The operation or process of finding the difference between two numbers or quantities.



Multiplication

An arithmetic operation, where we find the product of two or more numbers.

Multiplication is one of the four basic arithmetic operations, alongside addition, subtraction, and division. In math, multiply means the repeated addition of groups of equalsizes.



Division

The process of breaking a number up into equal parts, and finding out how many

equal parts can be made.

A mathematical operation which involves thesharing of an amount into equal-

sized groups.



<u>CHAPTER -3</u> VARIOUS FACTORS

INTRODUCTION:

A factor is a number that divides the given number exactly without a remainder, whereas multiple is a number, and that number is a product of the given number with othernumbers.



Factors are the result when you divide a number by an integer (whole number) withno remainder, multiples are the result whenyou multiply a number by an integer.







SAMPLE PAPER

Q.1)

Total apple:



