

## PANCHSHEEL PUBLIC SCHOOL

 SESSION 2024-25 ENTRANCE EXAMINATION
## CLASS - 5 SYLLABUS

 STUDY MATERIAL SAMPLE PAPER $\rightarrow \rightarrow-m$

## CHAPTER - 1 COMMON COUNTING

Counting numbers are the set of numbers thatwe 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 |  |
|  | $10,00,00,000$ | TC |
|  | Crores |  |
| $1,00,00,000$ |  |  |


| Lakhs | Ten Lakhs <br> $10,00,000$ | TL |
| :---: | :---: | :---: |
|  | Lakhs |  |
|  |  |  |$\quad$ L


| Thousands | Ten Thousands | T-TH |
| :---: | :---: | :---: |
|  | 10,000 | Thousands |
|  |  |  |


| Ones | Hundreds <br> 100 | H |
| :---: | :---: | :---: |
|  | Tens <br> 10 | T |
|  | Ones <br> 1 | O |

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

SOETESSDB DF (a) CJOTOBEB

Successor of a
Number is a Number One More Than That Number

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

```
PBEDECESSSDR DF
    [a CJONIBEB
```

    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.

## Successor and Predecessor of a Number

PREDECESSOR
NUMBER
SUCCESSOR
$(7148-1)=7147 \stackrel{\text { Predecessor }}{\rightleftarrows} 7148 \xrightarrow{\text { Successor }}(7148+1)=7149$
(8950-1) $=8949 \stackrel{\text { Predecessor }}{\gtrless} 8950 \xrightarrow{\text { Successor }}(8950+1)=8951$
$(7620-1)=7619 \stackrel{\text { predecessor }}{\rightleftarrows} 7620 \xrightarrow{\text { Successor }}(7620+1)=7621$
$(12499-1)=12498 \stackrel{\text { Predecessor }}{\rightleftarrows} 12499 \xrightarrow{\text { Successor }}(12499+1)=12500$

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


## CHAPTER - 2 INTEGRAL OPERATION

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



## Addition

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.


## 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.

## Addition and Subtraction are Opposites

Year 1 - number - addition and subtraction

(i)

$$
\begin{array}{r}
3944 \\
-\quad 840 \\
\hline 3104 \\
\hline \text { (5) } 9 \text { (9) } 10
\end{array}
$$

(ii)

4817
2407
2410
(7) (12)(13)(14)
(iii)

$$
\begin{array}{r}
6000 \\
-4999 \\
\hline 1001
\end{array}
$$

(iv)

8 BAA

$$
\begin{array}{r}
7986 \\
\hline 358
\end{array}
$$

## Multiplication

An arithmetic operation, where we find theproduct 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 equalsized groups.


## CHAPTER - 3 VARIOUS FACTORS

## INTRODUCTION:

A factor is a number that divides the given number exactly without a remainder, whereasa 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.
multiple of 4


# Factors vs Mulliples 

## Factors of $\boldsymbol{x}$ Multiples of $\boldsymbol{x}$

## -integers that .products of evenly divide $x$ into $x$ and $x$ and an integer <br> -finitely many <br> $-x$ oinfinitely <br> many



## SAMPLE PAPER

Q.1)

Total apple:

David's mom buys apples for his class. There are 5 rows of 4 green apples. There is 1 row of 4 red apples. Fill in the blanks to complete the expressions.


TOTAL APPLES = $\times 4=$ $\qquad$ .
Q.2)

Leslie has 32 dolls in 4 baskets.
Each basket has the same number of dolls.
How many dolls are in each basket?

## Q.3)

Mrs. Smith is getting her classroom ready for the first day of school. She has 25 students in her class.

## She wants 5 students to sit at every table.

How many tables will she need?
Q.4)

A shelter is taking care of 384 cats.
176 more arrive. How many cats are

## in the shelter now?



