

Girls' High School and College, Prayagraj

Work Sheet No.6

Session-(2020-21)

Class 5 (A-F)

Subject-Mathematics

Chapter 3-Subtraction

Topic-Properties of Subtraction &

Subtraction of 7,8,9 digit numbers

Instructions: Parents are expected to ensure that the child understands the topic and is able to solve the questions.

### Subtraction

Subtraction is an arithmetic operation that represents operation of removing object from a collection. The minus sign (-) is used to denote a subtraction. In subtraction the number that is to be subtracted, the second number in a subtraction is called **Subtrahend**. And the number from which we subtract, the first number is called **Minuend**. Result of subtraction is called **Difference**.

For example:  $7,04,220 - 2,57,110 = 5,47,110$

	L	TTh	Th	H	T	O
	<del>6</del> 7	<del>9</del> 0	<del>4</del> 4	2	2	0
-	2	5	7	1	1	0
	4	4	7	1	1	0

Here, 7, 04,220 is minuend, 257110 is subtrahend and 447110 is difference.

## Properties of Subtraction

1) When we subtract 0 from a number, the difference is the number itself.

For example:  $A - 0 = A$       Or       $32, 17,352 - 0 = 32, 17,352$

2) When a number is subtracted from the same number, the difference is 0 (zero).

For example:  $A - A = 0$       Or       $1,45, 67,231 - 1,45,67,231 = 0$

## Subtraction of 7, 8 and 9 digit numbers

While doing subtraction two important points that we need to remember are, we must place the numbers according to the place value of the digits and the number should be below each other.

Arrange in columns and subtract:

1) Arrange the digits in columns of crores, ten lakhs, lakhs, ten thousands, thousands, hundreds, tens and ones according to their place value. We always subtract smaller number from bigger number.

2) Now, subtract numbers in each column starting from right hand side. Borrow wherever required.

For example 1:

	TL	L	TTH	TH	H	T	O
	9	4	5	3	6	7	4
-	5	3	4	1	2	1	3
<hr/>							
	4	1	1	2	4	6	1

Ans- 41,12,461

2) Example 2: Subtract 27,80,64,923 from 49,23,45,678

	TC	C	TL	L	TTH	TH	H	T	O
	4	<del>8</del> <sup>9</sup>	<del>2</del> <sup>2</sup>	<del>3</del> <sup>4</sup>	<del>4</del> <sup>5</sup>	<del>6</del> <sup>6</sup>	7	8	
-	2	7	8	0	6	4	9	2	3
	2	1	4	2	8	0	7	5	5

Ans- 21,42,80,755

### Word Problems

Many situations around us require subtraction. We call such situations as subtraction stories. While solving such problems we have to write proper statements ( at least two line) then complete working need to be shown and at the end one line answer statement .

Example 1: There are 1,64,305 books in a public library. 72,543 books were issued to the members. How many books remained unissued in the library?

Solution: Total number of books in a library = 1,64,305  
 The number of books issued = 72,543

The number of books unissued = 1, 64,305 - 72,543

	L	TTH	TH	H	T	O
	1	<del>6</del> <sup>6</sup>	<del>4</del> <sup>3</sup>	<del>3</del> <sup>2</sup>	<del>0</del> <sup>10</sup>	5
-		7	2	5	4	3
	0	9	1	7	6	2

Hence, the number of books unissued = 91,762

Example 2: Population of a country is 12,23,43,681. Of this, 6,12,21,834 are males. What is the number of females in this country ?

Solution: Population of the country - 12,23,43,681

Number of males - 6,12,21,834

Number of females are = 12,23,43,681 - 6,12,21,834

$$\begin{array}{r}
 \begin{array}{cccccccc}
 \text{TC} & \text{C} & \text{TL} & \text{L} & \text{TTH} & \text{TH} & \text{H} & \text{T} & \text{O} \\
 \text{01} & \text{12} & \text{2} & \text{3} & \text{4} & \text{23} & \text{16} & \text{78} & \text{11} \\
 \hline
 \end{array} \\
 - \quad \quad \quad \begin{array}{cccccccc}
 & \text{6} & \text{1} & \text{2} & \text{2} & \text{1} & \text{8} & \text{3} & \text{4} \\
 \hline
 \end{array} \\
 \hline
 \begin{array}{cccccccc}
 & \text{6} & \text{1} & \text{1} & \text{2} & \text{1} & \text{8} & \text{4} & \text{7} \\
 \end{array}
 \end{array}$$

Thus, there are 6,11,21,847 females in the country .

### Exercise

#### 1) Find the difference :

a) 58,56,36,833 - 52,79,52,814

b) 9,47,59,828 - 5,32,58,942

c) 79,21,47,536 - 34,57,86,151

d) 32,53,932 - 12,21,789

e) 93,84,63,255 - 72,87,36,514

#### 2) Subtract :

a) 2,98,46,482 from 8,52,87,441

b) 47,30,04,132 from 99,51,34,754

c) 20,15,343 from 63,48,265

d) 5,61,17,525 from 6,41,73,361

e) 24,16,065 from 43,06,442

**3) Fill in the blanks:**

a) \_\_\_\_\_ - 0 = 5,76,84,204

b) 21,76,653 - \_\_\_\_\_ = 21,76,653

c) 81,74,97,192 - \_\_\_\_\_ = 0

d) 12,32,46,150 - 12,32,46,150 = \_\_\_\_\_

e) If A is any number then A - \_\_\_\_\_ = A

**4) Word Problems :**

a) A country has 1,02,45,412 males and 1,02,02,312 females. How many more males than females does the country have?

b) I think of a number. If I add 32,29,873 to it, I get 44 67,287. What is this number ?

c) 4,32,49,000 bricks were brought to make a housing complex. However only 4,22,38,200 bricks were utilized. How many bricks were left behind?

d) Present population of a town is 1,20,45,600 . During last two years population of this town has increased by 20,05,000. What was the population of this town two years ago?

e) How much is 22,34,109 greater than 21,33,109 ?

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