

Subject :- Maths

Class :- 5

Chapter :- 3 [Part II]

[Operation on Large Numbers]

Subtraction - In earlier class, we have learnt the subtraction of 5 or 6-digit numbers. In the same way, we subtract numbers having 7 or more digits.

Example :- a. Subtract 43567438 from 87935746

Solution :- Here, Minuend = 87935746 and subtrahend = 43567438

Arrange the digits of the given numbers in column form and subtract columnwise, we get

	C	T-L	L	T-Th	Th	H	T	O	
	8	7	9 ⁰	3 ¹²	5 ¹⁶	7	4 ³	6 ¹⁶	← Carry
-	4	3	5	6	7	4	3	8	
	4	4	3	6	8	3	0	0	

Hence,

$$87935746 - 43567438 = 44368308$$

Example :- b. find the difference between 36742178 and 73564398.

Solution :- Here both numbers are 8-digit numbers.

Comparing their left most digits, we find $3 < 7$

$$\therefore 36742178 < 73564398$$

So, Minuend = 73564398

and subtrahend = 36742178

Arrange the digits of the given numbers in columnwise and subtract, we get

C	T-L	L	T-Th	Th	H	T	O	
6	2	15	6	4	3	9	8	← Carry
- 3	6	7	4	2	1	7	8	
3	6	8	2	2	2	2	0	

Hence,

the difference between the given numbers is 36822220.

Exercise Time

1. Subtract :-

a.
$$\begin{array}{r} 75468948 \\ - 27856949 \\ \hline \end{array}$$

b.
$$\begin{array}{r} 50000000 \\ - 15376482 \\ \hline \end{array}$$

c.
$$\begin{array}{r} 83562974 \\ - 25870386 \\ \hline \end{array}$$

d.
$$\begin{array}{r} 80375468 \\ - 7859409 \\ \hline \end{array}$$

e.
$$\begin{array}{r} 50304675 \\ - 387362 \\ \hline \end{array}$$

f.
$$\begin{array}{r} 80753984 \\ - 226799 \\ \hline \end{array}$$

2. Find the difference :-

$$(a) 5643809 - 2875987$$

$$(b) 7050078 - 3274392$$

$$(c) 9730024 - 3978655$$

$$(d) 45673894 - 8379789$$

∴ Word Problem on Subtraction :-

Example:- The sum of two numbers is 4578385. If one of them is 2867949, find the other number.

Solution:-

$$\text{The sum of two numbers} = 4578385$$

$$\text{one number} = 2867949$$

$$\text{other number} = 4578385 - 2867949$$

$$= 1710436$$

$$\begin{array}{r} 4 \overset{15}{5} 7 \overset{13}{8} \overset{7}{8} \overset{15}{8} \\ - 2867949 \\ \hline 1710436 \end{array} \leftarrow \text{After borrowing}$$

Hence,

the other number is 1710436.

Example:- There are 34799405 baskets of apples and mangoes in a cold store. If the number of baskets of apples is 17598364, find the number of baskets mangoes in the cold store.

Solution:-

$$\text{Total baskets} = 34799405$$

$$\text{Number of baskets of apples} = 17598364$$

$$\text{Number of baskets of mangoes}$$

$$= 34799405 - 17598364$$

$$= 17201041$$

$$\begin{array}{r}
 \overset{2}{3} \overset{14}{4} 799 \overset{3}{4} \overset{10}{05} \leftarrow \text{After borrowing} \\
 - \underline{17598364} \\
 \underline{17201041}
 \end{array}$$

Hence,

the number of the baskets of mangoes are
17201041.

Exercise Time

1. What number should be subtracted from 37865479 to get 18527186 ?
2. The sum of two numbers is 18605070. If one of them, 5649734, find the other number.
3. A factory produced 83567428 toys in a year. Out of them, 15649458 toys were sold during the year. How many toys were left unsold ?

4. In an election, 3674572 votes were polled. There were three candidates in the election and the first two candidates polled 753844 and 1575940 votes. How many votes were polled in favour of the third candidate?
5. The total population of Meerut is 3567498. Out of them, 1835729 are men and 1274344 women. Find the number of children.
6. The sum of three numbers is 78654390. If two of them are 23654720 and 38465220. Find the third number.
7. In an examination, 506742 candidates could get through. Out of these, 294545 passed in first division, 156403 passed in second division. How many passed in third division?
8. The population of a city in the year 2014 are 8563437. In the following year, the population became, 15674019. Find the increase in the population.