



A cleanliness campaign was launched in our village. Our teacher told us that plastic bottles and polythene bags are harmful for the environment. We, the children's group roamed all over the village and collected plastic bottles and polythene bags separately. 9225 polythene bags and 6028 plastic bottles were collected.

Tell-

- Which is more in number polythene bags or bottles?
- What is the difference between the two numbers?

Let's see -

$$\begin{array}{r} 9225 \\ - 6028 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 92 \boxed{1+1} 5 \\ - 6028 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 921 \boxed{15} \\ - 6028 \\ \hline 7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \boxed{1+1} 15 \\ - 6028 \\ \hline 7 \\ \hline \end{array}$$

$$\begin{array}{r} 91 \boxed{11} 5 \\ - 6028 \\ \hline 3197 \\ \hline \end{array}$$

In the same way -

$$\begin{array}{r} 9225 \rightarrow \text{Minuend} \\ - 6028 \rightarrow \text{Subtrahend} \\ \hline 3197 \rightarrow \text{Difference} \\ \hline \end{array}$$

First, we subtract the digits at ones place.

If the digit at ones place does not subtract, we borrow one from tens.

1 tens and 5 ones together make 15 ones.

So, $15 - 8 = 7$

Similarly, if the digit at tens place does not subtract, 1 is borrowed from hundreds.

So, here $11 - 2 = 9$

After that, digits at the hundreds and then the thousands place are subtracted.

In the operation of subtraction -

The number from which another number is subtracted is called the *minuend*. The number which is subtracted is called the *subtrahend*. The number obtained after subtraction is called the *difference*.



Let's subtract five digit numbers -

$$\begin{array}{r} 56792 \\ - 17830 \\ \hline 62 \end{array}$$

$$\begin{array}{r} 5 \boxed{5+1} 792 \\ - 17830 \\ \hline 62 \end{array}$$

$$\begin{array}{r} 55 \boxed{17} 92 \\ - 17830 \\ \hline 962 \end{array}$$

$$\begin{array}{r} \boxed{4+1} 5792 \\ - 17830 \\ \hline 962 \end{array}$$

$$\begin{array}{r} 4 \boxed{15} 792 \\ - 17830 \\ \hline 38962 \end{array}$$

First, we subtract ones ($2 - 0 = 2$)

then we subtract tens ($9 - 3 = 6$)

after this we subtract hundreds. Since 8 can not be subtracted from 7, we borrow 1 from thousands digit 6.

1000 and 700 together become 1700. Now 800 can be subtracted from it.

Now, 7 can not be subtracted from the digit 5 at thousands place. Hence we borrow 1 from the digit 5 at ten thousands place. Now, 7000 can be subtracted from 15000.

At last, 1 ten thousand is subtracted from 4 ten thousands

The same process of subtraction is followed for 6 or more digit numbers.



Do it yourself -

$$\bullet \quad \begin{array}{r} - 26509 \\ 13282 \\ \hline \end{array}$$

$$\bullet \quad \begin{array}{r} - 884317 \\ 345208 \\ \hline \end{array}$$

- Find the difference between the greatest and the smallest number using the digits 3, 5, 7, 2 and 9.

 The teacher will give different numbers to the children, using which they will form word problems based on subtraction and practice them.



Word Problems

Example 1: Sohan had ₹ 35460. He spent ₹ 13695 in repairing his house. How much money is left with him?

Look: Sohan had = ₹ 35460

He spent = ₹ 13695

To know the remaining money, the spent money is subtracted from the total money-

$$\begin{array}{r}
 35460 \\
 - 13695 \\
 \hline
 21765
 \end{array}$$

Hence, ₹ 21765 is left with Sohan.



Example 2 : The population of Ramgarh is 138460 and the population of Hussaingarh is 223570. Which city has more population and by how much?

Look : Population of Hussaingarh = 223570

Population of Ramgarh = 138460

$$223570 > 138460$$

Therefore, Hussaingarh has more population.

The difference between the population of both the cities = Population of Hussaingarh - Population of Ramgarh

$$= 223570 - 138460$$

$$= 85110$$

Hence, the population of Hussaingarh is more than the population of Ramgarh by 85110.



Do it yourself -

- Hari borrowed ₹ 175000 from the bank to construct his house. He returned ₹ 34268 the first time and ₹ 27869 the second time. How many rupees he has to return to pay the debt?
- Subtract the smallest 5-digit number from the greatest 6-digit number.



We have learnt

- To subtract numbers from 6-digit numbers by borrowing.
- Minuend - Subtrahend = Difference
or Minuend = Subtrahend + Difference
- To frame and solve word problems with the given numbers.

Exercise

1. Subtract -

(a) 21349 from 35476

(b) 484788 from 500000

2. Solve -

(a) 88003

(b) 60580

(c) 785431

— 79999

— 47995

— 689955

3. The Total population of a city is 756872. Out of which 365222 are males, 229128 are females and the remaining are children. How many children are there in the city?

4. What must be added to 731506 to get 937566?

5. Mohan had ₹ 95490. He bought a buffalo for ₹ 54760 and a cow for ₹ 30000. How much money is left with him?

6. If subtrahend is 530876 and the difference is 100250, what will be the value of minuend?

7. Fill in the blanks-

(a) 3 1 ○ 3 6

— 2 ○ 7 ○ 8

8 8 2 8

(b) 9 8 2 ○ 7

— 2 ○ 1 3 8

6 9 ○ 1 9