





In Class II, we have learnt the addition of 2-digit or

3-digit numbers with and without carrying. Let us revise

it through some examples :







- = 13 tens + 10 ones + 4 ones
- = 13 tens + 1 ten + 4 ones
- = 14 tens + 4 ones
- = 140 + 4
- = 144



#### Second Method

	1 1	6	
+	4 9	8	
1	4	4	

#### Thus, the sum is 144.

Addition of ones digits 6 + 8 = 14 Carry 1 over to the tens place. Addition of tens digits 4 + 9 + 1 (carried over) = 14.

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#### **EXAMPLE 2** : Find the sum of 489 and 765.



Thus, the sum is 1254.

Addition of ones digits 9 + 5 = 14. Write 4 in ones place. Carry 1 over to the tens place. Addition of tens digits 8 + 6 + 1 (carried over) = 15. Write 5 in the tens place and carry 1 over the hundreds place. Addition of the hundreds digits 4 + 7 + 1 (carried over) = 12. Write 2 in the hundreds place and 1 in the thousand place.











**EXAMPLE 6** : Find the sum of 3764, 2245 and 2834. SOLUTION :

3 7 6 4 2 2 4 5 + 2 8 3 4 8 8 4 3

We take the following steps for this addition. **Step 1 :** Adding Ones : 4 + 5 + 4 = 13 ones 13 ones = 1 ten + 3 onesWe write 3 at the ones place and carry 1 over to the tens column.











Th H T O 11 3764 + 2245 + 2 8 3 4 4 3



We take the following steps for this addition. **Step 3 : Adding Hundreds :** 7 + 2 + 8 + 1 (carried over) = 18 hundreds 18 hundreds = 1 thousand + 8 hundreds Write 8 at the hundreds place and carry 1 over to the thousands column.



H T O 1 1 7 6 4 Th 3 + 2 + 2 



# We take the following steps for this addition. **Step 4 : Adding Thousands :** 3 + 2 + 2 + 1 (carried over) = 8 Write 8 at the thousands column.

Τh НТО 

### Hence, the sum of 3764, 2245 and 2834 is 8843.





In both the cases, we get the same sum, i.e. 5588.

#### **PROPERTIES OF ADDITION** EXAMPLE7: Add 445 and 301 and 245. **SOLUTION : We can add the given numbers in six different ways :** 445 445 + 301+245+245+301991 991

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# PROPERTIES OF ADDITION EXAMPLE 7: Add 445 and 301 and 245.

**SOLUTION :** We can add the given numbers in six different ways :

245	245		
+ 445	+ 3 0 1		
+ 3 0 1	+445		
991	991		

In all the cases, we see that the sum remains the same.

What do we observe in the above two examples ?

Two and more than two numbers can be added in any order and in each case, the sum remains the same.

# EXAMPLE 9 : Add 3632 and 0. SOLUTION :

There is no change to a number if 0 is added to a number or a number is added to zero, i.e. the sum is the number itself.



## **PROBLEMS ON ADDITION**

EXAMPLE 10 : In a shop, the sale in the first week was ₹ 2593 and the sale in the second week was ₹ 4398. What was the total sale in these

two weeks ?



### **SOLUTION :**

Sale in the first week= ₹ 2593Sale in the second week= ₹ 4398Total sale = ₹ 2593 + ₹ 4398= ₹ 6991Thus, the total sale in the two weeks was ₹ 6991.



EXAMPLE 11: There are 4672 men, 2358 women and 1579 children in a village. What is the population of the village? **SOLUTION:** Number of men =  $4 \overline{6} \overline{7} 2$ Number of women = 2 3 5 8Number of children = 1 5 7 9

Total = 4672 + 2358 + 1579 = 8609

Thus, the population of the village is 8609.



