



Learning Objectives

At the end of this lesson, students will be able to:

- Do the addition upto 3 digit numbers.
- Add 3 digit numbers with carry over.
- Add using expanded form.
- Solve the story sums based on addition.



Warm Up

This is Honey's shop. Today he sold the following:

25 blue pens and 30 black pens.

How many pens did he sell?



17 erasers in the morning and 12 in the evening.

How many erasers did he sell?



Please revise addition that you have done in class I.



The addition of numbers is known as **sum**.



Addition of 1-Digit Numbers

Find the sum:

$\begin{array}{r} 7 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 2 \\ \hline \end{array}$
$\begin{array}{r} 9 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 9 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 4 \\ \hline \end{array}$
$\begin{array}{r} 1 \\ 2 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ 3 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ 6 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ 8 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ 7 \\ + 3 \\ \hline \end{array}$
$\begin{array}{r} 3 \\ 0 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ 4 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ 2 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ 4 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ 7 \\ + 3 \\ \hline \end{array}$





Addition of 2-Digit Numbers

Find the sum:

$$\begin{array}{r} 51 \\ + 26 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ + 26 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ + 56 \\ \hline \end{array}$$

$$\begin{array}{r} 33 \\ + 25 \\ \hline \end{array}$$

$$\begin{array}{r} 51 \\ + 26 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ + 26 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ + 56 \\ \hline \end{array}$$

$$\begin{array}{r} 33 \\ + 25 \\ \hline \end{array}$$

$$\begin{array}{r} 29 \\ + 38 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ + 67 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ + 59 \\ \hline \end{array}$$

$$\begin{array}{r} 63 \\ + 23 \\ \hline \end{array}$$

$$\begin{array}{r} 25 \\ + 69 \\ \hline \end{array}$$

$$\begin{array}{r} 81 \\ + 18 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ + 66 \\ \hline \end{array}$$

$$\begin{array}{r} 99 \\ + 12 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ 61 \\ + 89 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ 23 \\ + 18 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ 60 \\ + 40 \\ \hline \end{array}$$

$$\begin{array}{r} 55 \\ 22 \\ + 11 \\ \hline \end{array}$$



**Teacher's
Note:**

Apprise students that while adding, always add ones, then tens and so on.



Addition of 3-Digit Numbers (Without Carry Over)

Example-1

Add: 421 and 364

Step 1 : Put the numbers in correct vertical columns.

H	T	O
4	2	1
+ 3	6	4

Step 2 : Add the digits in ONES column.

H	T	O
4	2	1
+ 3	6	4
		5

Step 3 : Add the digits in TENS column.

H	T	O
4	2	1
+ 3	6	4
		8 5

Step 4 : Add the digits in HUNDREDS column.

So, $421 + 364 = 785$

H	T	O
4	2	1
+ 3	6	4
		7 8 5



Quick Tip

To add 99 to a number, add 100 and subtract 1.

$$\begin{aligned} & 736 + 99 \\ = & 736 + 100 - 1 \\ = & 836 - 1 \\ = & 835 \end{aligned}$$

Example-2

Add: 423, 102 and 310

Step 1 : Add Ones.

Step 2 : Add Tens.

Step 3 : Add Hundreds.

	H	T	O
	4	2	3
+	1	0	2
+	3	1	0
	8	3	5

$$\text{So, } 423 + 102 + 310 = 835$$



REMEMBER

Addition should be without regrouping.

Find the sum:

$$\begin{array}{r} 524 \\ + 263 \\ \hline \end{array}$$

$$\begin{array}{r} 123 \\ + 264 \\ \hline \end{array}$$

$$\begin{array}{r} 208 \\ + 541 \\ \hline \end{array}$$

$$\begin{array}{r} 149 \\ + 250 \\ \hline \end{array}$$

$$\begin{array}{r} 160 \\ + 100 \\ \hline \end{array}$$

$$\begin{array}{r} 222 \\ + 333 \\ \hline \end{array}$$

$$\begin{array}{r} 521 \\ + 442 \\ \hline \end{array}$$

$$\begin{array}{r} 236 \\ + 721 \\ \hline \end{array}$$

$$\begin{array}{r} 156 \\ + 232 \\ \hline \end{array}$$



Facts to Know

Addition was first used extensively by the Chinese almost 6,000 years ago, it is safe to say the Chinese invented addition.





$$\begin{array}{r} 106 \\ 501 \\ + 291 \\ \hline \end{array}$$



$$\begin{array}{r} 300 \\ 406 \\ + 200 \\ \hline \end{array}$$



$$\begin{array}{r} 123 \\ 760 \\ + 106 \\ \hline \end{array}$$



$$\begin{array}{r} 100 \\ 200 \\ + 500 \\ \hline \end{array}$$



$$\begin{array}{r} 160 \\ 210 \\ + 520 \\ \hline \end{array}$$



$$\begin{array}{r} 345 \\ 421 \\ + 231 \\ \hline \end{array}$$



$$\begin{array}{r} 111 \\ 222 \\ + 555 \\ \hline \end{array}$$



$$\begin{array}{r} 126 \\ 221 \\ + 420 \\ \hline \end{array}$$



$$\begin{array}{r} 102 \\ 501 \\ + 215 \\ \hline \end{array}$$



$$\begin{array}{r} 627 \\ 120 \\ + 252 \\ \hline \end{array}$$



$$\begin{array}{r} 343 \\ 123 \\ + 222 \\ \hline \end{array}$$



$$\begin{array}{r} 730 \\ 126 \\ + 102 \\ \hline \end{array}$$

Add:

$243 + 123$

=

$102 + 641$

=

$146 + 252$

=

$340 + 259$

=

$111 + 333$

=

$360 + 420$

=

$171 + 108$

=

$629 + 140$

=

$660 + 210 =$

$321 + 462 =$

$220 + 330 =$

$621 + 352 =$

$124 + 110 + 120 =$

$213 + 315 + 210 =$

$520 + 236 + 121 =$

$100 + 400 + 300 =$

$269 + 420 + 110 =$

$103 + 211 + 610 =$

$721 + 118 + 150 =$

$661 + 112 + 215 =$

$146 + 120 + 322 =$

$173 + 206 + 120 =$

$243 + 123 + 120 =$

$371 + 212 + 312 =$



Addition of 3-Digit Numbers (With Carry Over)

Example-1

Add: 429 and 384

Step 1 : Put the numbers in correct vertical columns.

	H	T	O
	4	2	9
+	3	8	4

Step 2 : Add the digits in ONES column.

$9 \text{ Ones} + 4 \text{ Ones} = 13 \text{ Ones}$



= 1 Tens + 3 Ones

Write 3 in Ones column and 1 in Tens column.

H	T	O
	1	
4	2	9
+	3	8
		4
		3

Step 3 : Add the digits in TENS column.

2 Tens + 8 Tens + 1 Tens (Carried over)

= 11 Tens

= 1 Hundred + 1 Tens

H	T	O
1	1	
4	2	9
+	3	8
		4
		3

Step 4 : Add the digits in HUNDREDS column.

4 Hundreds + 3 Hundreds + 1 Hundreds

(Carried over)

= 8 Hundreds

∴ Sum = 429 + 384 = 813

H	T	O
1	1	
4	2	9
+	3	8
		4
8	1	3

Example-2

Add: 286, 459 and 120

Step 1 : Add Ones.

Step 2 : Add Tens.

Step 3 : Add Hundreds.

Sum

= 286 + 459 + 120

= 865

H	T	O
1	1	
2	8	6
+	4	5
+	1	2
		0
8	6	5

Find the sum:

	H	T	O
	3	5	9
+	4	6	4

	H	T	O
	0	9	6
+	9	8	7

	H	T	O
	7	7	7
+	2	6	6

	H	T	O
	8	0	0
+	1	0	0

	H	T	O
	5	5	5
+	2	9	6

	H	T	O
	4	9	6
+	2	9	5

	H	T	O
	6	6	2
+	2	2	1

	H	T	O
	5	2	9
+	1	0	2

	H	T	O
	7	5	9
+	1	9	8

	H	T	O
	1	4	2
+	6	4	9

	H	T	O
	2	4	3
+	7	8	9

	H	T	O
	6	2	0
+	8	5	9

	H	T	O
	1	4	2
+	9	7	2

	H	T	O
	6	9	8
+	5	2	0

	H	T	O
	3	4	6
+	9	7	8

Add:

$349 + 462$

=

$364 + 296$

=

$142 + 649$

=

$348 + 245$

=

$729 + 106$

=

$926 + 56$

=

$842 + 950$

=

$672 + 988$

=

$298 + 376$

=

$376 + 459$

=

$501 + 204 + 199$

=

$296 + 198 + 421$

=

$101 + 220 + 660$

=

$440 + 210 + 511$

=

$369 + 478 + 110$

=

$433 + 209 + 111$

=

$134 + 446 + 387$

=

$732 + 29 + 108$

=



Word Problems

There were 429 books in a school library. The school bought 268 books more. How many books are there in all?



A shopkeeper sold 259 bananas on Monday, 400 bananas on Tuesday and 146 bananas on Wednesday. How many bananas did he sell in these three days?



Shreya collected 269 red flowers.
Sona collected 456 white flowers.
Radha collected 150 purple flowers.
How many flowers did they collected in all?



Sarthak counted 368 big cars and 486 small cars on the road. What is the total number of cars he counted?



There are 120 mango trees, 468 coconut trees and 372 apple trees planted in a park. How many trees were planted in all?



There are 843 bees in the hive. 108 more bees flew into the hive. What is the total number of bees in the hive now?



There are 446 girls and 388 boys in a school. How many students are there in all?



There are 286 red beads, 349 green beads and 142 purple beads in a necklace. What is the total number of beads in the necklace?





Think Wisely

Which number am I?

Which number am I?

1. I stand at ones place, I am 3 less than 9.
2. I am 1 more than 8 and stand at tens place.
3. I stay at hundreds place and come between the number 5 and 3.



Mental Maths

A. Solve mentally; Call out the steps as you do.

a. $20 + 70 =$ _____

b. $60 + 40 =$ _____

c. $40 + 40 =$ _____

d. $30 + 60 =$ _____

e. $20 + 90 =$ _____

f. $90 + 80 =$ _____

B. Add; Then put a tick mark on the right pictures.

1. Which two boxes would you choose to get 75 marbles.



43

A



33

B



32

C

2. Which two boys have 66 Stamps together?



Karan has 19 stamps



Amit has 47 stamps



Raman has 37 stamps





A sheet of paper and pencil.

1. Ask the students to take a two-digit number.
2. Now, ask them to reverse it.
3. Add the numbers.

23

$$\begin{array}{r} \text{Reversed number} \quad + \quad 32 \\ \hline = \quad 55 \end{array}$$

4. Tell them 55 is a palindrome. A palindrome is any number or word that can be written the same way either from forward or from backward.
5. Give some more examples such as , 434 , 12321 , MALAYALAM.

Now, list a few palindromes:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

