Girls` High School & College, Prayagraj

Worksheet- 5

Session - 2020-2021

Class - 2 (A – F)

Subject- Mathematics

Chapter-3-Addition

Instruction:- Parents are expected to ensure that the child first revises addition done in class 1 and then solves this worksheet .

The addition is taking two or more numbers and adding them together, that is , it is the total sum of two or more numbers.

Vertical addition(without carrying)

Let us add 34+21

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  T  O
  3  4
+ 2  1
_____
  5  5
_____
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1. Arrange the number in columns of tens and ones.
2. Let us add ones digits.   4 + 1 = 5
3. Let us add the digits in tens column. 3 + 2 = 5

          Sum is 55

Adding a 2-digit number with 1-digit number

For example:- Add 49 and 6

STEP 1- Arrange the numbers in columns of tens and ones.

STEP 2- Let us add ones digit   (9+6=15)

9 ones + 6 ones = 15 ones = 10 ones + 5 ones = 1 ten + 5 ones.

We carry over one ten to tens column and write 5 in ones column.

STEP 3- Let us add the digit in tens column .   (1+4=5)

We write 5 in tens column. Sum is 55

Vertical addition (with carrying)

Adding a 2-digit number with 2-digit number

For example:- Add 48 and 37.

STEP1- Arrange the numbers in columns of tens and ones.

STEP2- Let us add ones digits.   (8+7=15)

We write 5 in ones column and carry over 1 to tens place.

STEP3- Let us add the digits in tens column.   (1+4+3=8)

We write 8 in tens column. Sum is 85

More on adding 2-digit numbers

On adding a 2-digit number with a 1 or 2-digit number we might get a sum which is a 3-digit number.

For example:- Add 58 and 67.

STEP1- Arrange the numbers in columns of hundreds, tens and ones.

STEP 2- Let us add ones digits.   (8+7= 15)

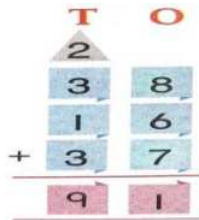We write 5 in ones column and carry over 1 to tens place.

STEP 3- Let us add the digits in tens columns. (1+5+6=12)

We write 2 in tens column and carry over 1 to hundreds column.

STEP 4- We write 1 in hundreds column. Sum is 125.

Addition of three numbers

For example:- Add 38,16 and 37

STEP 1- Arrange the numbers in columns of tens and ones.

STEP 2- Let us add ones digits.   (8+6+7=21)

We write 1 in ones column and carry over 2 to tens place.

STEP 3- Let us add the digits in tens column. (2+3+1+3=9)

We write 9 in tens column. Sum is 91

Addition of 3-digit numbers by grouping in tens and ones.

You already know how to add two 2-digit numbers by regrouping. Now we will learn how to add two 3-digit numbers by regrouping.

For example:-   Add 263 and 424

263+424=2 hundreds + 6 tens + 3 ones + 4 hundreds + 2 tens + 4 ones

=<u>2+4</u> hundreds + <u>6+2</u> tens + <u>3+4</u> ones

=6 hundreds + 8 tens + 7 ones = 687

Exercise

(Q1) Add the following (without carrying)

(a)	(b)	(c)	(d)
9	1 4	4 5	3 4
+ 4 0	+ 5 3	+ 2	2 1
			+ 1 3

(Q2) Add the following(with carrying)

(a) T O	(b) T O	(c) T O	(d) T O
2 7	3 9	9	9
+ 5	+ 4	+ 5 8	+ 2 6

(Q3) Add the following(with carrying)

(a) T O	(b) T O	(c) T O	(d) T O
4 4	6 7	2 4	5 6
+ 3 9	+ 1 3	+ 5 7	+ 3 7

(Q4) Add the following (with carrying)

(a)

H	T	O
	6	2
+	5	3

(b)

H	T	O
	3	2
+	8	6

(c)

H	T	O
	7	3
+	6	9

(d)

H	T	O
	5	6
+	8	5

(Q5) Add the following (with carrying)

(a)

	T	O
		3
	7	6
+	1	7

(b)

	T	O
	6	7
	2	1
+		6

(c)

	T	O
	1	4
	2	5
+	1	9

(d)

	T	O
	1	9
	3	7
+	2	2

(Q6) Add the following by regrouping.

a. 215 + 373.

b. 321 + 345.

c. 625 + 256.

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