GIRLS' HIGH SCHOOL & COLLEGE, PRAYAGRAJ

WORKSHEET NO. 6

SESSION : 2020 - 21

CLASS : 2 (A - F)

SUBJECT: MATHEMATICS

CHAPTER 3: ADDITION

TOPIC: VERTICAL ADDITION AND ADDITION FACTS

Instructions to the Parents: As this worksheet is the continuation of the 5th worksheet, it is expected that the child revises the previous worksheet and then continues with this worksheet.

Vertical Addition (Without Carrying)

Let us ADD 273 and 625.

Step 1: We add digits in ones column.

$3 + 5 = 8$

We write 8 in ones column

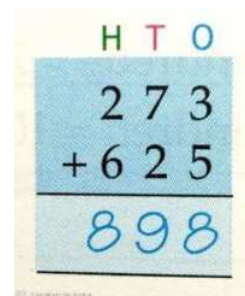Step 2: We add digits in tens column.

$7 + 2 = 9$

We write 9 in tens column

Step 3: We add digits in hundreds column

$2 + 6 = 8$

We write 8 in hundreds column

Sum is 898

Vertical Addition (Carrying Tens)

Let us Add 735 and 148

Step 1: We add digits in ones column

$5 + 8 = 13$

We write 3 in ones column and carry over 1 to tens place.

Step 2: We add digits in tens column
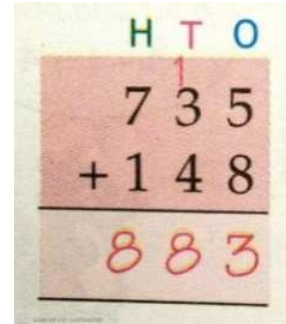
$1 + 3 + 4 = 8$

We write 8 in tens column

Step 3: We add digits in hundreds

column

$7 + 1 = 8$

We write 8 in hundreds column

Sum is 883

Vertical Addition (Carrying Tens and Hundreds)

Let us Add 265 and 367

Step 1: We add digits in ones column

$5 + 7 = 12$

We write 2 in ones column and carry over 1 to tens place.
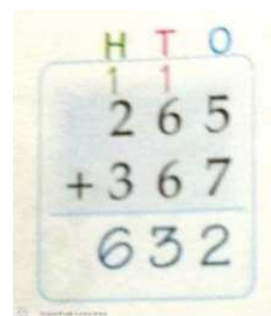
Step 2: We add digits in tens column

$1 + 6 + 6 = 13$

We write 3 in tens column and carry over 1 to hundreds place

Step 3: We add digits in hundreds column

$1 + 2 + 3 = 6$

We write 6 in hundreds column

Sum is 632

Addition Stories

Many situations around us involve addition of numbers. Such situations are called addition stories. Let us observe the following situation:

462 *people were sitting in a hall.* 231 *more join them. How many people are there in the hall now?*

Number of people in the hall	4 6 2
Number of people who joined them	+ 2 3 1
Total number of people in the hall now	= 6 9 3

Answer: There are 693 people in the hall now.

Addition Facts

Fact 1

31	25	231	125
+ 25	+ 31	+ 125	+ 231
56	56	356	356
i.e., 31 + 25 = 25 + 31		i.e., 231 + 125 = 125 + 231	

If there's a '+' in between two numbers we can exchange the first and the second number. We will get the same answer.

So,   A + B = B + A

This property is called <u>commutative property of addition.</u>

Fact 2

21	0	221	0
+ 0	+ 21	+ 0	+ 221
21	21	221	221
i.e., 21 + 0 = 0 + 21		i.e., 221 + 0 = 0 + 221	

If you add a number to Zero or Zero to a number you get back the same number as answer.

So,   A + 0 = A and 0 + A = A

<u>'0' is called identity of addition or additive identity.</u>

Note: Parents are requested to make the child read, understand and solve the questions given below.

Exercises

1. Add:

H T O	H T O	H T O	H T O
3 1 7	8 3 2	7 3 0	1 3 1
+ 2 2	+ 5 6	+ 2 5 8	+ 6 0 7

H T O	H T O	H T O	H T O
1 5 7	2 3 2	3 3 4	1 7 8
+ 2 3	+ 3 9	+ 2 3 8	+ 3 1 5

H T O	H T O	H T O	H T O
2 3 4	3 6 6	4 8 7	1 9 9
+ 9 6	+ 4 5	+ 1 2 5	+ 1 1 1

2. Fill in the Blanks:
   (a) $213 + 425 = 425 +$ ___
   (b) $823 +$ ___ $= 124 +$ ___
   (c) $189 +$ ___ $= 189 +$ ___
   (d) ___ $+ 0 = 234$

3. Tick the Correct Option:
   (a) I am 16 more than 24. Which number am I?
      (1) 20
      (2) 40
      (3) 70

   (b) The sum of $10 + 10 + 10 =$
      (1) 30
      (2) 50
      (3) 40

(c) 26 more than 59 is ____   (1) 85   (d) 20 + 45 is the same as 60 + ____
                           (2) 29   (1) 3
                           (3) 79   (2) 5
                                                                      (3) 4

4. Varun has 229 cards and Varsha has 135. How many cards do they have altogether?
5. A packet has 345 balls. Another has 198 balls. How many balls are there altogether in the two packets?
6. Anu has 321 notebooks and Sonia has 285 notebooks. How many notebooks do they have?
7. Anju has 225 pencils. Kali gives her 171 more. How many pencils does Anju have now?

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