

Girls' High School and College, Prayagraj

Work Sheet No.7

Session-(2020-21)

Class 5 (A-F)

Subject-Mathematics

Chapter 3- Subtraction

Topic-Checking Subtraction by Addition

& Simplification

Instructions: Parents are expected to ensure that the child understands the topic and is able to solve the questions.

### **Checking Subtraction By Addition**

Subtraction is opposite of addition so we can check our subtraction by addition.

Minuend – Subtrahend = Difference

Difference + Subtrahend = Minuend (then the subtraction is correct)

Minuend – Difference = Subtrahend

We can understand above relations by below example

Example:  $5 - 3 = 2$  (5 Minuend ,3 Subtrahend and 2 is Difference )

$$2 + 3 = 5$$

$$5 - 2 = 3$$

Here 5 is Minuend ,3 is Subtrahend and 2 is Difference .

Example 1: Check the answers of the following

	C	TL	L	TTH	TH	H	T	O
	7	9	<del>3</del> <sup>4</sup>	<del>13</del> <sup>3</sup>	6	8	1	4
-	4	5	2	8	2	4	0	4
	3	4	1	5	4	4	1	0

Checking :

	C	TL	L	TTH	TH	H	T	O	
	4	5	2	8	2	4	0	4	(Subtrahend)
+	3	4	1	5	4	4	1	0	(Difference)
	7	9	4	3	6	8	1	4	(Minuend)

Same as the first number. So, subtraction is correct.

Example 2:

	C	TL	L	TTH	TH	H	T	O
	5	4	7	8	6	4	6	5
-	1	1	4	0	3	9	4	4
	4	3	2	8	2	5	2	1

Checking :	C	TL	L	TTH	TH	H	T	O		
	1	1	4	0	3 <sup>1</sup>	9	4	4	(Subtrahend)	
	+	4	3	2	8	2	5	2	1	(Difference)
<hr style="border: 0.5px solid black;"/>										
	5	4	6	8	6	4	6	5	(Incorrect Minuend)	

Answer is different from the first number (Minuend).

So subtraction is incorrect.

### **Addition And Subtraction Together**

Some situations may involve addition and subtraction together. In such situation we add the term with plus sign and then subtract the term with minus sign. Generally first term has no sign before it .It is taken as plus (+).

Example : Simplify : 2,41,31,520 – 5,21,57,386 + 6,37,23,136

First term has no sign before it. It is taken as +. Add the term with + sign and then we subtract the term with – sign.

	2	4	1	3	1	5	2	0	
+	6	3	7	2	3	1	3	6	
<hr style="border: 0.5px solid black;"/>									
	8	7	8	5	4	6	5	6	
	8	7	<del>8</del>	<del>14</del>	<del>4</del>	<del>5</del>	<del>15</del>	6	
-	5	2	1	5	7	3	8	6	
<hr style="border: 0.5px solid black;"/>									
	3	5	6	9	7	2	7	0	

Ans : 3,56,97,270

## Exercise

Note: Parents kindly ensure that your child reads the notes provided in the worksheet no 6 and then attempt the following exercise.

1) Check the following subtractions by addition:

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

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

c) Check the following using addition:

$$1,30,80,876 - 1,10,33,412 = 12,47,464$$

$$\text{d) } 9,52,69,725 - 5,37,82,21 = 4,14,87,509$$

2) Simplify :

$$\text{a) } 4,55,67,406 - 3,22,61,159 + 1,31,24,182$$

$$\text{b) } 83,43,573 - 41,94,199 + 15,32,295$$

$$\text{c) } 42,329 + 38,954 - 51,832$$

$$\text{d) } 5,47,04,828 + 1,25,01,236 - 3,18,26,804$$

e) A warehouse had 44,34,091 bags of wheat .Of this 12,09,845 bags were sold. Now 11,00,234 more bags were stored in the ware house. How many bags are stored in the ware house now?

f) A reservoir had 21,47,800 litres of water. 93,48,600 litres more of water was added to the reservoir. Now 12,23,200 litres of water was released .How many litres of water does the reservoir have now ?

3) Fill in the blanks:

a) \_\_\_\_\_ + Subtrahend = Minuend

b)The difference of successor and predecessor of a number is always\_\_\_\_\_.

c) Result of subtraction is called \_\_\_\_\_.

d) If A is any number then A- \_\_\_\_\_ = A

e) A \_\_\_\_\_ number can be subtracted from \_\_\_\_\_ number.

f) 71,74,97,192 - \_\_\_\_\_ = 0

g) To decrease 1,23,13,529 by 21,500 we subtract \_\_\_\_\_ from it .

h) The number from which we subtract is called \_\_\_\_\_.

4) Subtract:

a) 76,23,87,612 - 57,15,13,625

b) 61,92,523 - 11,47,007

c) 78,23,911 - 31,00,210

d) Find the difference of the largest 8 digit number and smallest 7 digit number.

e) Find the difference of the place values of two 5s in 1,57,32,590 .

\_\_\_\_\_End\_\_\_\_\_