## Girls' High School & College, Prayagraj

Worksheet No.6

Session - 2020-2021

Class - 3 (A-F)

Subject – Mathematics

#### <u>Chapter- 3 – Subtraction</u>

<u>Instruction:</u> Parents are expected to ensure that the child first revises subtraction done in class 2 and then solves this worksheet.

Taking away some number or an object from a group is called **subtraction**.

When we talk of numbers, subtraction is taking away a smaller number from a bigger number.

The number from which we subtract is the minuend.

The number that is subtracted is the <u>subtrahend</u>.

The result of the subtraction is called the difference.

#### Subtraction of 3-digit numbers (without borrowing)

Let us subtract 145 from 957.

STEP 1: Read ones column. 7 – 5

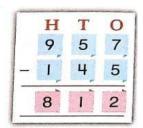
7 - 5 = 2. We write 2 in ones column.

STEP 2: Read tens column. 5 - 4

5 - 4 = 1. We write 1 in tens column.

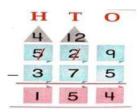
STEP 3: Read hundreds column. 9 – I

9 - I = 8. We write 8 in hundreds column.



## Subtraction of 3-digit numbers (with borrowing)

Let us subtract 375 from 529



STEP 1: Read ones column. 9 - 5.

9 - 5 = 4. We write 4 in ones column.

STEP 2: Read tens column. 2 - 7.

But 7 > 2. So 7 cannot be subtracted from 2. We borrow I hundred from hundreds place.

Now I hundred + 2 tens = 12 tens.

We cross out 2 and write 12.

Also we cross out 5 and write 4.

Now, 12 - 7 = 5. We write 5 in tens column

STEP 3: Read hundreds column. 4 - 3

4 - 3 = 1. We write I in hundreds column.

#### Subtraction of 4-digit numbers (without borrowing)

Let us subtract 3542 from 4856

Subtract ones. = 6 - 2 = 4 ones.

Subtract tens. = 5 - 4 = 1 ten.

Subtract hundreds. = 8 - 5 = 3 hundreds.

Subtract thousands. = 4 - 3 = 1 thousand.

The difference = 1314

#### Subtraction of 4-digit numbers (with borrowing)

Let us subtract 4705 from 8132

STEP 1: 5 ones cannot be subtracted from 2 ones, so we borrow 1 ten from 3 tens. We cross out 3 and write 2. Also we cross out 2 and write 12.

12 ones - 5 ones = 7 ones

We write 7 in ones column.

STEP 2: 2 tens - 0 tens = 2 tens

We write 2 in tens column

STEP 3: 7 hundreds cannot be subtracted from 1 hundred, so we borrow 1 thousand from 8 thousands, we cross out 8 and write 7. Also we cross out 1 and write 11.

11 hundreds – 7 hundreds = 4 hundreds

We write 4 in hundreds column.

STEP 4: 7 thousands – 4 thousands = 3 thousands.

We write 3 in thousands column.

## **Subtraction stories**

Many situations around us involve subtraction of numbers. Such situations are called subtraction stories.

**EXAMPLE** 2462 children were attending a camp. After one week 1231 children left the camp. How many children are there in the camp now?

SOLUTION:

Ans. 1231 children are left in the camp.

## **Properties of subtraction**

<u>Property 1</u>: When we subtract 0 from a number, the difference is the number itself.

Let A be any number, then  $\underline{A-0=A}$ 

Let us subtract 0 from 4536

4536 - 0 = 4536

We get back the same number 4536

<u>Property 2</u>: When a number is subtracted from the same number, the difference is 0. (Zero)

Let A be any number, then A - A = 0

Let us subtract 5234 from 5234

5234 - 5234 = 0

We get zero (0)

## Addition and subtraction together

Example - simplify: 2439 - 1056 + 555

Solution: First number has no sign before it . It is taken as '+'.

Add the numbers with plus sign and then subtract the number with minus sign.

Ans. 1938.

#### **Exercise**

(Q1) Subtract the following (without borrowing)

(Q2)Subtract the following (with borrowing)

(Q3) Subtract the following (without borrowing)

# (Q4)Subtract the following (with borrowing)

## (Q5) Fill in the blanks.

#### (Q6) Simplify-

c. 
$$6582 - 2375 + 2180$$

## (Q7) Solve the following word problems:

- a. There are 3435 males and 2312 females in a small town. How many more males than females does the town have?
- b. A box has 4926 apples. 1028 of these are rotten. Find the number of good apples.
- c. In a stadium there are 4500 seats. On a particular day, 3392 persons saw the match. How many seats were vacant?

#### **END**