

GIRLS' HIGH SCHOOL AND COLLEGE,
PRAYAGRAJ

WORKSHEET NO.-2
CLASS-3(A-F)
SUBJECT-MATHEMATICS
SESSION-2020-21

TOPIC:PLACES AND PLACE VALUES

Instruction: Parents are expected to ensure that the child understands the concepts, practices and is able to complete the worksheet.

You already know about ones place, tens place and hundreds place. Now we will study about thousands place. We shall denote it as "Th".

e.g. In the number 5723,

3 is in ones place, 2 is in tens place, 7 is in hundreds place and 5 is in thousands place.

This is known as the "place" of a number.

Place values can be found just by multiplying the numbers with the places of the number.

e.g. 8694

$4 \times 1 = 4$, 4 is the P. V. of 4.

$9 \times 10 = 90$, 90 is the P.V. of 9

$6 \times 100 = 600$, 600 is the P.V. of 6 and $8 \times 1000 = 8000$, 8000 is the P.V. of 8.

[P.V.= place value]

Write the places of the underlined digits-

1. 4078

2. 5136

3. 9025

4. 7149

Write the place values of the underlined digits-

1. 5 6 2 0

2. 8 3 1 4

3. 9 0 2 8

4. 7 9 4 9.

EXPANDED AND SHORT FORMS

To express a number as the sum of the place values of its digits is called its expanded form.

e.g. 4326

Th Hun tens ones

4 3 2 6

Or,

$4 \times 1000 = 4000$, $3 \times 100 = 300$, $2 \times 10 = 20$ and $6 \times 1 = 6$

Thus, $4326 = 4000 + 300 + 20 + 6$

So, the expanded form of $4326 = 4000 + 300 + 20 + 6$.

[1]

Now, write the number for $1 \times 1000 + 7 \times 100 + 5 \times 10 + 9 \times 1$.

Or, 1 thousand, 7 hundreds, 5 tens and 9 ones.

The number will be 1759.

So, 1759 is the short form of

$1 \times 1000 + 7 \times 100 + 5 \times 10 + 9 \times 1$.

Write the following in expanded form:

1.7682

2.8934

3.1304

4.2096

Write the following in short form :

$1.9 \times 1000 + 1 \times 100 + 5 \times 10 + 4 \times 1 =$

$2.4 \times 1000 + 6 \times 100 + 8 \times 10 + 1 \times 1 =$

$3.6 \times 1000 + 2 \times 100 + 4 \times 10 + 3 \times 1 =$

$4.5 \times 1000 + 7 \times 100 + 9 \times 10 + 2 \times 1 =$

[2]