



Lesson-2

Concept of numbers

On 5th June, on the occasion of World Environment Day, the villagers of several villages of Rangpur area together planted a large number of saplings in a vacant land. A teacher addressed the villagers and explained that the sapling in course of time will grow to prevent pollution besides providing the villages with flower, fruits etc. The saplings included Nahar, Kadamba, Bokul, Mangoes, Black berries, Guava, Jackfruit, Plum, Amla, Hogplum, Kordoi, Myrobalam (Silikha) etc.

Let us look at the table below and find out the number of each kind of saplings planted by the villagers of Rangpur area.



Names of saplings	Number of saplings	Names of saplings	Number of saplings
Mango	220	Amla	676
Blackberry	256	Hog plum	711
Jackfruit	322	Kordoi	731
Plum	345	Myrobalam (Silikha)	800
Guava	455	Nahar	830
Bokul	506	Kadamba	930

Write the number of saplings given in the table in increasing order.

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Read the table and write as indicated below

The numbers with 5 in the one's place

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The numbers with 0 in the ten's place

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The numbers with 7 in the
hundred's place

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The numbers with 8 in the
hundred's place

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Write the numbers which have same digit in the one's place and ten's place.

322			
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Write the even numbers in the table of saplings

220,

Write the odd numbers in the table of saplings

345,

Write the smallest and the greatest number in the table

Smallest

--

Greatest

--

Write the following numbers in words

220 _____

345 _____

506 _____

800 _____



Write the position/place and place value of the encircled digit in the following numbers.

Number	Position of the encircled digit	Place value of the encircled digit
1④3	Ten's place	4 ten's = $4 \times 10 = 40$
②04		
87⑥		
3②3		
⑦74		
5⑩5		
⑨99		
8②4		
78⑩		
⑨06		

Express the numbers in expanded form according to their place value.

$$405 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots \quad 810 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$$

$$642 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots \quad 911 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$$

$$789 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots \quad 999 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$$

What are the numbers that can be formed using the following digits?

$$2, 6, 4 : \begin{array}{cccccc} 246 & 264 & 426 & 462 & 624 & 642 \\ \hline \dots\dots\dots & \dots\dots\dots & \dots\dots\dots & \dots\dots\dots & \dots\dots\dots & \dots\dots\dots \end{array}$$

$$4, 1, 9 : \dots\dots\dots, \dots\dots\dots, \dots\dots\dots, \dots\dots\dots, \dots\dots\dots, \dots\dots\dots$$

$$5, 2, 0 : \dots\dots\dots, \dots\dots\dots, \dots\dots\dots, \dots\dots\dots, \dots\dots\dots, \dots\dots\dots$$

$$6, 9, 5 : \dots\dots\dots, \dots\dots\dots, \dots\dots\dots, \dots\dots\dots, \dots\dots\dots, \dots\dots\dots$$



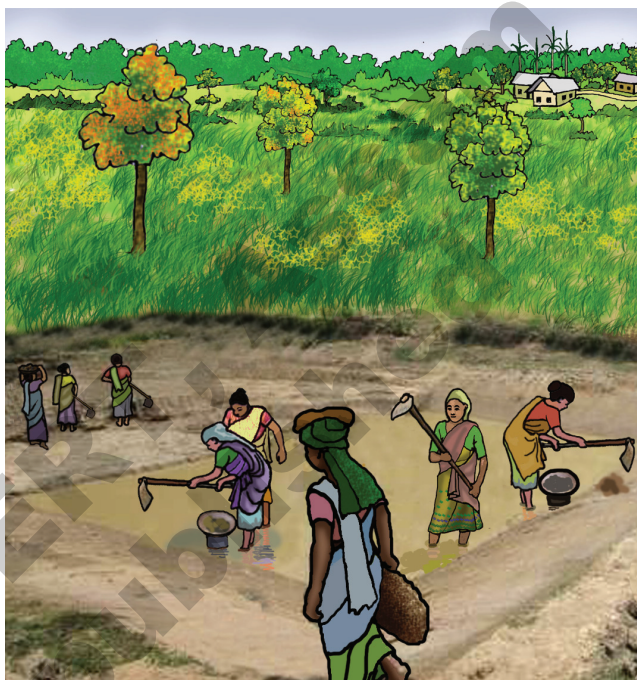
Women co-operative society of Sontoli Village

The women co-operative society of Sontoli village decided to make arrangements for a pond to breed fishes. For this purpose, they collected money. Let us find out the individual contributions.

Seuji aunty	Rs. 1600
Romola aunty	Rs. 2200
Togor aunty	Rs. 3100
Elder sister Golapi	Rs. 2500
Grand ma Bokuli	Rs. 500

Let us write the money received from each of them in words.

Rs. 1600	Rupees one thousand and six hundred
Rs. 2200
Rs. 3100
Rs. 2500
Rs. 500



Notes of what values will add up to the total amount of money given below:



Seuji aunty	Rs. 1600 = Rs. 500 + Rs. 500 + Rs. 500 + Rs.100
Romola aunty	Rs. 2200 =
Togor aunty	Rs. 3100 =
Elder sister Golapi	Rs. 2500 =
Grand ma Bokuli	Rs. 500 =



Let us write the following numbers in words.

Number (in figure)	Number (in words)
1001	One thousand one
1654	
1891	
1991	
2018	
2489	
2786	
2894	
2775	
3000	
3222	
3575	
3748	
3879	
4000	
4156	
4258	
4437	
4679	
5136	



Write the following numbers in figure

Number (in words)	Number (in figure)
Five thousand four hundred thirteen	<u>5413</u>
Five thousand six hundred seventy six
Five thousand eight hundred ninety
Six thousand two hundred fourteen
Six thousand three hundred fifty
Six thousand four hundred seventeen
Six thousand seven hundred eighty nine
Six thousand eight hundred fifty nine
Six thousand nine hundred ten
Seven thousand two
Seven thousand three hundred eighty three
Seven thousand six hundred sixty six
Seven thousand eight hundred sixty seven
Eight thousand three hundred fifty two
Eight thousand six hundred fifty four
Nine thousand one hundred ninety five
Nine thousand six hundred sixty five
Nine thousand seven hundred seventeen
Nine thousand eight hundred forty eight

Which number will you get if you add 1 to 9999 ?

We will get 10,000 when 1 is added to 9999.

We write it in words as 'Ten thousand'

$$9999+1=10000$$



Let us know:

9999 is the largest number possible to write with four figures and

10000 is the smallest number possible to write with five figures.

Let us read the numbers according to the place value

Numbers	Ten thousand	Thousand	Hundred	Tens	Ones
1					1
10				1	0
100			1	0	0
1000		1	0	0	0
10000	1	0	0	0	0

Women Cooperative Society's fish pond

When the pond was ready, young fishes were set free in the water. When the young fishes grew to proper size, the fishes were sold and in one month they earned Rs. 10,000. They deposited the money in the bank. Let us find out and of what values, how many notes they deposited for the total amount of Rs. 10,000.



Write the denominations in the notes in words.



A note of Rs 200



A note of Rs 500



A note of Rs 2000

Rupees two hundred

Write the numbers in the number plate of the cars in words.



The largest number that can be written in the number plate of a car is 9999

Nazneen is sick

A considerable amount of money was needed for Nazneen's medical treatment. When people came to know about this through the newspaper, many offered money in cheques for Nazneen's medical treatment. Read the words in the cheques and express them in figures.



SI No. 122

Rupees three thousand

Rs. 3000

SI No. 130

Rupees six thousand and five hundred

Rs.

SI No. 124

Rupees four thousand one hundred and five

Rs.

SI No. 12

Rupees six thousand two hundred and twenty

Rs.

SI No. 60

Rupees seven thousand five hundred and eighty five

Rs.

SI No. 120

Rupees eight thousand three hundred and seventeen

Rs.

Fill in the blanks

1005 1008 1014

2325

3467

4893

5295

6732

7778

8433

9835

9991 10000

Write the numbers that comes before and after the following given numbers.

<input type="text"/> 1000 <input type="text"/>	<input type="text"/> 2350 <input type="text"/>
<input type="text"/> 3499 <input type="text"/>	<input type="text"/> 4800 <input type="text"/>
<input type="text"/> 5832 <input type="text"/>	<input type="text"/> 6789 <input type="text"/>
<input type="text"/> 7080 <input type="text"/>	<input type="text"/> 8501 <input type="text"/>

Tik (✓) the large number

3671 ✓	2377
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6320	7320
------	------

4562	4567
------	------

8000	9045
------	------

5273	5276
------	------

7999	7998
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Express the numbers in expanded form according to place value

$$4697 = 4000 + 600 + 90 + 7$$

$$9999 = \dots + \dots + \dots + \dots$$

$$5362 = \dots + \dots + \dots + \dots$$

$$6053 = \dots + \dots + \dots + \dots$$

$$8700 = \dots + \dots + \dots + \dots$$

$$9001 = \dots + \dots + \dots + \dots$$

Write the number for the expanded form of the numbers

$$5000 + 400 + 70 + 6 = \boxed{5476}$$

$$5000 + 200 + 0 + 0 = \boxed{}$$

$$6000 + 000 + 20 + 1 = \boxed{}$$

$$6000 + 300 + 70 + 1 = \boxed{}$$

$$7000 + 500 + 50 + 5 = \boxed{}$$

$$8000 + 600 + 40 + 4 = \boxed{}$$

$$9000 + 700 + 60 + 0 = \boxed{}$$

$$9000 + 100 + 10 + 3 = \boxed{}$$



Think and write

- (a) The number greater than 999 by 1 (c) The number less than 100 by 1
- (b) The number greater than 999 by 1 (d) The number less than 1000 by 1

Uruka of Magh Bihu



On the Uruka of Magh Bihu, the villagers of Bokul village came together to catch fishes from the lake. Sanbor, Dhonbar, Ronghan, Chandradhar and others used net to catch fish while Tarulata, Moinamoti, Champabati, Rohimola and their friends caught fish with Jakai (a triangular scoop made of bamboo). After fishing they counted the number of fishes they caught. The following table shows the kinds and number of fishes. Sonbar and others sold some of the fishes in the market. For the Uruka feast, they feasted with Rohu and Bhokua fishes in the evening. The remaining fishes they divided among themselves.

Name of fishes	Number of fishes
Shingi	50
Catfish (Magur)	142
Rohu	145
Bhokua	128
Mirika	111
Puthi	125
Boriola	86



Let us find the total number of fishes caught

What was the total number of Shingi and Catfish?



Catfish	142
Shingi fish	+ 50
<hr/>	
Total number of fishes	192



What was the total number of Rohu and Bhokua fish caught?



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What was the total number of Puthi and Boriola fish caught?



Let us find out the total number of fishes sold in the market and how many remained

(1)

Number of Magur fish	142
Number of fish sold in the market -	110
<hr/>	
Number of fishes left	32

(2)

Number of Mirika fish	111
Number of fish sold in the market -	99
<hr/>	
Number of fishes left

(3)

Number of Rohu fish	145
Number of fish sold in the market -	48
<hr/>	
Number of fishes left

(4)

Number of Bhokua fish	128
Number of fish sold in the market -	76
<hr/>	
Number of fishes left



Add

$$\begin{array}{r} 365 \\ + 216 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 391 \\ + 486 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 432 \\ + 119 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 459 \\ + 211 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 339 \\ + 321 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 555 \\ + 235 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 623 \\ + 284 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 645 \\ + 193 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 736 \\ + 143 \\ \hline \\ \hline \end{array}$$

Subtract

$$\begin{array}{r} 895 \\ - 235 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 471 \\ - 309 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 565 \\ - 285 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 591 \\ - 329 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 631 \\ - 340 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 748 \\ - 529 \\ \hline \\ \hline \end{array}$$



Subtract

$$\begin{array}{r} 860 \\ - 629 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 922 \\ - 739 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 853 \\ - 579 \\ \hline \\ \hline \end{array}$$

Think and fill in the star (*) with suitable digits.

$$\begin{array}{r} 52 \\ - 31 \\ \hline 21 \\ \hline \end{array}$$

$$\begin{array}{r} 68 \\ - * * \\ \hline 34 \\ \hline \end{array}$$

$$\begin{array}{r} 54 \\ - * * \\ \hline 32 \\ \hline \end{array}$$

$$\begin{array}{r} 37 \\ - * * \\ \hline 23 \\ \hline \end{array}$$

Solve the problems:

After the Uruka feast number of Rohu fishes remained was 66 and Bhokua 31. What was the total number of Rohu and Bhokua fishes remained after the feast?

Manbor and his friends bought 12 kilogram onion for Uruka feast. When they went to return the remaining onion after the feast, the shopkeeper said that he found 5 kilogram onion. How much onion Manbor and his friends used in feast?

Number of Shingi fishes was 50 and Magur was 142. Out of that 7 Shingi and 13 Magur died. How many Shingi and Magur remained alive?

Shingi

Magur

Gautam purchased 2 kilogram of brinjals, 1 kilogram potato and vegetable of Rs 10 from market. If the price of 1 kilogram brinjal is Rs 30 and 1 kilogram potato is Rs 20 then what is the total expenditure of Gautam?



Solve the following

The distance from the lake to the market is 5 kilometer. It took 20 minutes for Manbor and others to go to the market on cycle and 50 minutes for walking. How much excess time is required by them for walking?

_____ minute

Grandma is 78 years old. The age of grandfather is 89 years. By how many years grandfather is older to grandma?

_____ years

There are 500 match boxes in Mariom's shop. She sold 422 of them. How many boxes remained in the shop now?

305 number of people from nearby village came to Modhupur village to see the theatre. There were 314 chairs. When all the people are seated, how many chairs will remain empty?

_____ chairs

There are 615 white hens and 322 brown hens in Kanika's poultry farm. What is the total number of hens in the poultry farm?

_____ hens

There are 466 trees and 312 shrubs in a garden. What is the total number of plants in the garden?

_____ plants

There are 629 cows and 233 oxes in Konti uncle's cattle farm. What is the total number of cows and oxes in the cattle farm?

cows and oxes



Solve the problems

More water was required in the house on account of Monu's uncle's marriage. A water van supplied them 950 litres of water. The van carried 1000 liters. How many litres of water remained in the van?

_____ litre

In Lakshmi's house 423 kilograms of grains are given to the cows and 231 kilograms of grains to goats in a week. How many kilograms of grains are given to the cows and goats in a week?

_____ kilogram

Price of 5 storybooks is Rs 525 and price of 3 novel is Rs 510. Raju has Rs 490. What is the additional amount of money he will require to buy all the books?

Rs _____

Number of people in two villages are 494 and 347 respectively. 97 people went to city for job. What is the total number of people remained in the two villages?

_____ people

Akash's home is in a village 28 kilometer away from Guwahati. Akash with his father started their journey to his autny's home at Sadiya from home to Guwahati in a bus where they boarded a second bus at Guwahati to Sadiya. Sadiya is 516 kilometer from Guwahati. When they travelled a total distance of 428 kilometer from home, the second bus had some mechanical defect. They then boarded a third bus and reached Sadiya. How much distance they travelled in the third bus? What is the total distance of Sadiya from Akash's home?

They travelled

.....

kilometer in the third bus

Total distance of Sadiya from Akash's home is

.....
kilometer

