Hindi

एक जैसे अक्षरों को मिलाओ-

औ	अ
ऋ	ऐ
ऊ	अः
अ	औ
ई	ओ
अः	ऋ
ओ	ई
ऐ	ऊ

Math

What comes between

21	23
24	26
27	29
30	32
33	35
36	38
39	41

English

What comes between

A _ C   P _ R

D _ F   S _ U

G _ I   V _ X

J _ L   X _ Z

M _ O

English

U.K.G

'e' sound words

B t e t t =

P t e t t =

N t e t t =

G t e t t =

L t e t t =

M t e t t

Teacher's Signature..........

Math

Write the Table of 2 (Two time

2 x 1 = 2   2 x 1 = 2

Hindi

तीन वर्णों के शब्द लिखो ।

कमल

कलश

नहर

सड़क

भगत

टहल

English	Ch- 1(Ria's family) Word meaning : 1. Oneday- **एकदिन** 2.Help-**मदद** 3. Grandfather- **दादाजी** 4.Grand mother- **दादीजी** 5. Look-**देखना** 6.again- **फिर से** 7. Happy- **खुश** 8.Found- **पाना** 9. Scold- **डांटना** 10. Family- **परिवार**
English Grammar	A.Use A or An: 1) --------- eye . 2)----------- bag. 3) ------------ mouse. 4) ---------- Owl. 5) ------------duck.6) ---------- boat.7) ---------- candle. 8) ------------ aeroplane Q.1) Write definition of naming words. Ans- Nouns are also called naming words. Q.2) Write definition of common noun. Ans- A General name for a person, an animal,a place or a thing is a common noun. Q.3) Write definition of proper noun. Ans- A particular name of a person , place , animal or things is a proper noun.It begins with a capital letter.
Math	1. Fill in the missing numbers before after or between: a) -------- 14 ----------- b) 18-------- 20 c) --------- 11 --------- d) 17---------19 e) -------16 -------- 2. Circle the biggest number: a) 8 3 4 12 b) 20 10 13 16 c) 9 19 20 24 d) 15 6 16 28 e) 17 16 15 23 3.Circle the smallest number: a) 9 19 8 25 b) 12 13 14 11 c) 18 17 11 24 d) 20 10 15 14 e) 10 15 5 9 4. Learn and write number names: 21 to 30 5. Learn and write table 2 to 10:
EVS	Answer the following questions: Q.1) How many sense organs do we have? Name them Ans- We have five sense organs. Eyes , ears, nose,tongue and skin. Q.2) Which organ helps us to hear? Ans - Our ears help us to hear. Q.3) How can we taste sweet things? Ans- Our tongue helps us to taste sweet things.
Computer	Answer the following questions: Q.1) Name any two machines that run on man power. Ans- Bicycle , boat. Q.2) Name any two machines that run on electricity. Ans- Fan, iron Q.3) What is the full form of PC? Ans- Personal computer *Rewrite the Jumbled words correctly: 1. OMEUS- ----------------- 2.YKEDBARO- ------------- 3. EDSOKTP- ----------- 4. MPCOUETR- -------------
G.K.	Answer the following questions: 1. Which is the national fruit?2. Which is the national animal? 3. Which is the national bird? 4. Which is the national flower? 5. Which is the national game? Note: All homework learn and write in rough note book:
Hindi	**इ और ई की मात्रा वाले 10-10 शब्द लिखे।** Hindi (Gr)-**प्र.१. वर्ण से आप क्या समझते है? प्र.२ वर्णमाला किसे कहते है? प्र.३. वर्ण कितने प्रकार के होते है? नाम लिखिए।** (Learn and write in rough notebook.)

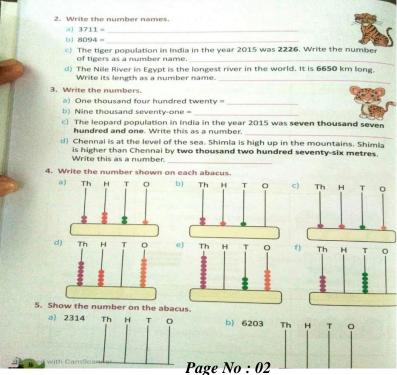|	
English	*A. Use is/am/are to complete the sentences:* 1. I ------- Kitty. 2. He ------- older than me. 3.We ------ always together. 4. They -------- our parents. 5.You ------- a girl. *B. Write the plural form of each noun.* a.Shelf--------- b. Witch----- c. Potato---------- d.Watch-- e. Cherry--------- f. Candy--- *C. Use A,An or The:* a. --------- cow . b. ---------- elephant. c. --------- TajMahal. d. -------- axe. e. --------- Redfort. f. -------- owl. g. ---------- mango *C.Learn and write opposite words:* 1.Big – Small 2. Up- Down 3. Near – Far 4.Slow -Fast 5. Heavy- Light 6. One-Many 7.In-Out 8. Tall- Short
Math	*1.Arrang the ascending order:* a) 35 ,75,96,83,48 b) 135,112,189,176,143 c) 152,126,175,133,124 d) 158,145,136,102,169 e) 165,117,125,137,158 *2.Arrange the descending order:* a) 58, 66 96, 44,98 b) 55,88,69,98,46 c) 170,188,798,145,132 d) 150,175,163,180,198 e) 188,198, 184,170,169 *3.Do 10 Addition sums:* *4.Do 10 Subtraction sums:*
EVS	(My family) *Answer the following questions:(Learn and write)* 1. What do you understand by a joint family? Ans- A big family where parents,grandparents, childrens, uncle ,aunt live together is known as joint family 2. What is a nuclear family? Ans- A small family where only parents and childrens live together is a nuclear family. 3.Draw a family tree and colour it (in rough note book) *B. Fill in the blanks:* *(seven, oldest, cooks, obey, house, help)* 1. My grand father is the--------------- member in my family. 2. My mother keeps the ----------- clean. 3. We should -------- our elders. 4. My sister is --------- years old. 5. My mother ----------- food for us. 6. All membees of the family should ----------- each other.
Computer	*Answer the following questions : (Learn and write in rough copy)* 1. Define computer. How many parts of computer? Ans- Computer is a electronic devic. A computer has four main parts of computer: Monitor, CPU,Keyboard, and Mouse. 2. Who is known as the father of computer? Ans- Charles Babbage
G.K.	Write 5-5 outdoor and indoor games.
Hindi	इ और ई की मात्रा वाले 10-10 शब्द लिखिए। Hindi(Gr.)- प्र.१. वर्ण से आप क्या समझते हैं? प्र.२. वर्णमाला किसे कहते हैं? प्र.३. वर्ण कितने प्रकार के होते हैं? नाम लिखिए। प्र.४. निम्न संयुक्त व्यंजनों से एक एक शब्द बनाइए- क्ष ___ त्र ____ ज्ञ___ श्र___

Math

EXERCISE 1

1. Fill in the blanks and the table.

a)
_____ thousands _____ hundreds _____ tens _____ one

Number	Number name	Abacus
Th H T O		Th H T O

b)
_____ thousand _____ hundreds _____ tens _____ ones

Number	Number name	Abacus
Th H T O		Th H T O

c)
_____ thousands _____ hundreds _____ tens _____ ones

Number	Number name	Abacus
Th H T O		Th H T O

2. Write the number names.
a) 3711 = _____
b) 8094 = _____
c) The tiger population in India in the year 2015 was **2226**. Write the number of tigers as a number name. _____
d) The Nile River in Egypt is the longest river in the world. It is **6650** km long. Write its length as a number name. _____

3. Write the numbers.
a) One thousand four hundred twenty = _____
b) Nine thousand seventy-one = _____
c) The leopard population in India in the year 2015 was **seven thousand seven hundred and one**. Write this as a number. _____
d) Chennai is at the level of the sea. Shimla is high up in the mountains. Shimla is higher than Chennai by **two thousand two hundred seventy-six metres**. Write this as a number. _____

4. Write the number shown on each abacus.
a) Th H T O   b) Th H T O   c) Th H T O
d) Th H T O   e) Th H T O   f) Th H T O

5. Show the number on the abacus.
a) 2314   Th H T O   b) 6203   Th H T O

c) 5430   Th H T O   d) 2000   Th H T O

6. Fill in the numbers in order.
a) 1087, 1088, 1089, ___, ___, ___
b) 4198, ___, ___, ___, ___
c) 9829, ___, ___, ___, ___
d) 5050, ___, ___, ___, ___
e) 6104, ___, ___, ___, ___

◆ **Face value and place value**

8276 is a 4-digit number.

Th	H	T	O
8	2	7	6

8 is in the thousands place.
Its place value in 8276 is 8 thousands or 8000.
Its face value in 8276 is 8.

2 is in the hundreds place.
Its place value in 8276 is 2 hundreds or 200.
Its face value in 8276 is 2.

7 is in the tens place.
Its place value in 8276 is 7 tens or 70.
Its face value in 8276 is 7.

6 is in the ones place.
Its place value in 8276 is 6 ones or 6.
Its face value in 8276 is 6.

The **place value** depends on the place of the digit in the number.

The **face value** of a digit is the number itself. It remains the same in all places.

English

Chapter No 01 : *Reggie Mouse's Shrinking Clothes*
Q.(A) Think and Answer
(1) Reggie started eating healthy and playing outdoor games every day. What do you think happened them ? Discuss with your partner.
(2) Draw the picture of 8 step of hand washing with details.
(3) What are the benefits of proper handwashing ?
(4) Imagine that you have decided to set up a restaurant with your friends. Discuss :
(a) Which type of food will your restaurant serve ?
(b)) What will you name the restaurant ?
(c) What's going to be on the menu ?
(5) Which type of activities you have done at your home during the lockdown ?

Science

Chapter No : 02 : *Parts of a Plant*
Q.(A) Answer the following questions.
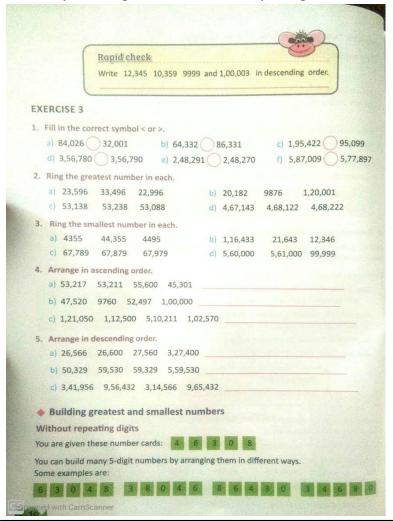(1) Name the two main parts in which a plant body is divided.
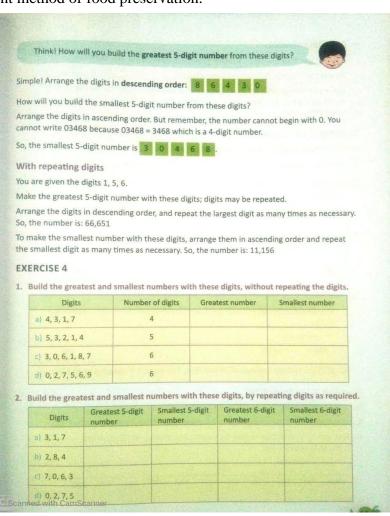(2) Write the main function of the root.
(3) Write the names of different parts of a plant.
(4) Name the things needed by a plant for photosynthesis.
(5) Write down any one function of a leaf.
(6) Write any stem that we eat as food.
(7) How does a seed grow into a new plant ?

Bhartia International School
Homework for COVID-19 Holidays (Assignment 3rd)

Class 4

SCIENCE

Chapter No 01: Food and Nutrition

Q(1) Explain the three major types of nutrients. Mention two sources of each.

Q(2) What functions do vitamins and minerals perform in our body ?

Q(3) What is a balanced diet ? What are its benefits ?

Q(4) Mention any five healthy eating habits.

Q(5) Why is food preservation necessary ? Explain the different method of food preservation.

Rapid check

Write 12,345 10,359 9999 and 1,00,003 in descending order.

EXERCISE 3

1. Fill in the correct symbol < or >.

   a) 84,026 ◯ 32,001   b) 64,332 ◯ 86,331   c) 1,95,422 ◯ 95,099

   d) 3,56,780 ◯ 3,56,790   e) 2,48,291 ◯ 2,48,270   f) 5,87,009 ◯ 5,77,897

2. Ring the greatest number in each.

   a) 23,596   33,496   22,996   b) 20,182   9876   1,20,001

   c) 53,138   53,238   53,088   d) 4,67,143   4,68,122   4,68,222

3. Ring the smallest number in each.

   a) 4355   44,355   4495   b) 1,16,433   21,643   12,346

   c) 67,789   67,879   67,979   d) 5,60,000   5,61,000   99,999

4. Arrange in ascending order.

   a) 53,217   53,211   55,600   45,301 _____

   b) 47,520   9760   52,497   1,00,000 _____

   c) 1,21,050   1,12,500   5,10,211   1,02,570 _____

5. Arrange in descending order.

   a) 26,566   26,600   27,560   3,27,400 _____

   b) 50,329   59,530   59,329   5,59,530 _____

   c) 3,41,956   9,56,432   3,14,566   9,65,432 _____

◆ **Building greatest and smallest numbers**

Without repeating digits

You are given these number cards: `4` `6` `3` `0` `8`

You can build many 5-digit numbers by arranging them in different ways.
Some examples are:

`6` `3` `0` `4` `8`   `3` `8` `0` `4` `6`   `8` `6` `4` `3` `0`   `3` `4` `6` `8` `0`

Think! How will you build the **greatest 5-digit number** from these digits?

Simple! Arrange the digits in **descending order**: `8` `6` `4` `3` `0`

How will you build the smallest 5-digit number from these digits?

Arrange the digits in ascending order. But remember, the number cannot begin with 0. You cannot write 03468 because 03468 = 3468 which is a 4-digit number.

So, the smallest 5-digit number is `3` `0` `4` `6` `8`.

With repeating digits

You are given the digits 1, 5, 6.

Make the greatest 5-digit number with these digits; digits may be repeated.

Arrange the digits in descending order, and repeat the largest digit as many times as necessary.
So, the number is: 66,651

To make the smallest number with these digits, arrange them in ascending order and repeat the smallest digit as many times as necessary. So, the number is: 11,156

EXERCISE 4

1. Build the greatest and smallest numbers with these digits, without repeating the digits.

Digits	Number of digits	Greatest number	Smallest number
a) 4, 3, 1, 7	4		
b) 5, 3, 2, 1, 4	5		
c) 3, 0, 6, 1, 8, 7	6		
d) 0, 2, 7, 5, 6, 9	6		

2. Build the greatest and smallest numbers with these digits, by repeating digits as required.

Digits	Greatest 5-digit number	Smallest 5-digit number	Greatest 6-digit number	Smallest 6-digit number
a) 3, 1, 7				
b) 2, 8, 4				
c) 7, 0, 6, 3				
d) 0, 2, 7, 5				

English
Ferry

Chapter No :2 Good Neighbours

Q.(A) Answer these questions.

(1) Who were Jack and Naoko ?

(2) What did both the mothers want their children to do before going outside to play ? Why ?

(3) Jack and Naoko's mothers both made the same promise to their children.

(4) Who didn't mind being out in the cold, Jack or Naoko ? How do you know ?

(5) By When was Jack supposed to complete his snow man ?

(6) What were the differences between Jack's snow man and Naoko's ?

For Handwriting imporvment doing 06 page writing practice of Hindi and English language.

CLASS 5

SCIENCE

Chapter No 01: The worlds of the plants and animals

Q.(F) Answer the following questions in detail.

(1) Explain the structure of seed with the help of a diagram.

(2) How does the germination of seed take place ? Draw a diagram in support of your answer.

(3) Explain the steps of agriculture in detail.

(4) What modifications do seeds have for dispersal by means of -

(i) Wind   (ii) Water   (iii) Animals

(5) Write a short note on the two main farming seasons in India.

SSt (Footprints)

Chapter No 01: The Earth's Surface

Q.(1) Write a short note on the earth.

Q.(2) Make a short note on the Indian Occean.

Q.(3) Think if Over ! (HOTS)

What if Pangaea had not broken into different parts ? Imagine the situation and write a story on how different our life would have been.

Q.(4) Make a short note on Asian Continents.

English Ferry

Chapter No 01: Why Evergreen Trees Never Lose Their Leaves

Q.(1) Think and Answer.

(1) According to the story, the unkind trees 'talked amongst themselves.' They had their reasons for not letting the little birds stay. Do you think the reasons were fair enough ?

(2) What lessons does the story teach us ?

Values and Life skills
Imagine that Ankita is a new student in your class. This is her first day.

Q.(1) How do you think she feels on her first day at school ?

Q.(2) What could you do to help her settle in ?

Math

EXERCISE 2

1. Write the number names and expanded forms.

   a) 8,76,89,129   b) 6,74,20,098   c) 5,20,52,060

2. Write the number and the expanded form.

   a) Six crore fifty-five lakh sixty thousand eight hundred eight

   b) One crore one lakh one hundred one

   c) Five crore thirty lakh fifty-five thousand ninety-nine

3. Which is the greatest 8-digit number? Show it on a place value chart.

◆ Comparing numbers

You have learnt to compare 6-digit numbers in Class 4. The same method is used to compare bigger numbers.

5. Arrange in descending order.

   a) 6,78,09,234   6,87,09,234   6,87,90,234   6,78,90,234

   b) 1,32,48,131   2,32,45,234   1,32,58,214   2,33,98,789

6. Make the smallest and greatest 7-digit numbers, without repeating digits.

   a) 3, 4, 9, 1, 2, 5, 6   b) 5, 6, 7, 0, 4, 3, 2

7. Make the smallest and greatest 8-digit numbers, by repeating digits as required.

   a) 1, 9, 4, 5, 6, 7   b) 3, 0, 8, 5, 6, 4, 2

◆ **International place-value system**

Most countries of the world follow a place-value system that is slightly different from the Indian place-value system. It is called the **international place-value system.**

The numbers up to 5-digits are read in the same way in both systems. The difference starts from 6-digit numbers.

Look at the table. Notice the difference in the periods (the places where commas are put to separate the periods) and in the names of places.

Number	No. of digits	Indian system	International system
10000	5	10,000 – ten thousand	10,000 – ten thousand
100000	6	1,00,000 – one lakh	100,000 – one hundred thousand
1000000	7	10,00,000 – ten lakh	1,000,000 – one million
10000000	8	1,00,00,000 – one crore	10,000,000 – ten million

The Indian system uses lakhs and crores. The international system uses **millions:**

1 million = 10 lakh,   10 million = 1 crore

In the Indian system, the ones period has 3 places; the thousands, lakhs and crores periods have 2 places each.

In the international system the ones, the thousands and millions periods all have 3 places.

The place-value chart in the international system for numbers up to 8 digits is:

Millions		Thousands			Ones		
Ten millions	Millions	Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones
5	6	3	1	0	5	2	9

Look at the number 56310529 in the chart. It is written as:

56,310,529

It is read as: Fifty-six million three hundred ten thousand five hundred twenty-nine

In the Indian system, it is written as: 5,63,10,529

It is read as: Five crore sixty-three lakh ten thousand five hundred twenty-nine

Example 1: Write 34590234 in figures and words in the two systems.

Indian system: 3,45,90,234

Three _____ forty-five _____ ninety _____ two _____ thirty-four

International system: 34,590,234

Thirty-four _____ five hundred ninety _____ two _____ thirty-four.

EXERCISE 4

1. Write these numbers in figures and words in the Indian and international systems.

   a) 369512   b) 2397010   c) 32954602   d) 60032051

2. Census (counting of population) in India was done in 2011. The populations of some states of India in 2011 were as follows. Write the population numbers in words.

   a) West Bengal: 91,276,115
   b) Karnataka: 61,095,297
   c) Himachal Pradesh: 6,864,602
   d) Delhi: 1,67,87,941

3. Write the following 2011 census state populations in figures.

   a) Punjab: Twenty-seven million seven hundred forty-three thousand three hundred thirty-eight
   b) Goa: One million four hundred fifty-eight thousand five hundred forty-five
   c) Kerala: Thirty-three million four hundred six thousand sixty-one
   d) Meghalaya: Twenty-nine lakh sixty-six thousand eight hundred eighty-nine

4. Give the place value of the digit in red, in both the Indian and the international systems.

   a) 321650   b) 2389435   c) 70453271   d) 56409274

- **The number with more digits is always greater.**

Example 1: 2,12,34,020 > 99,99,999

(8-digit number) > (7-digit number)

2,12,34,020
99,99,999

- If the number of digits is the same, compare the leftmost digits first. If these are the same, compare the next digits on the right. Continue until you find two digits that are different.

Example 2: Compare 2,34,61,424 and 2,34,90,326

Both are 8-digit numbers.

Starting from the left, the first 3 digits are the same.   2,34,61,424

Compare the fourth digit: 6 < 9   2,34,90,326

Therefore, 2,34,61,424 < 2,34,90,326

Before and after

You can get the number just before a large number by **subtracting 1 from it.**

The number before 3,45,666 is 3,45,666 – 1 = 3,45,665

The number before 48,90,300 is 48,90,300 – 1 = 48,90,299

> The number just before another number is called its **predecessor.**

You can get the number just after a large number by **adding 1 to it.**

The number after 2,66,367 is 2,66,367 + 1 = 2,66,368

The number after 65,90,199 is 65,90,199 + 1 = 65,90,200

> The number just after another number is called its **successor.**

English

Chapter Poem : Daffodils

Q.(A) Read the sentences and answer the questions that follow.

(1)   _Continuous as the stars that shine_
        And twinkle on the milky way,
        They stretched in never-ending line.

(a) What is being compared to the stars ?
(b) Why does the poet say that' they' are twinkling like the stars?
(c) What does the poet mean when he says ' they stretched in never-ending line ?

Q.(B) A poet could not but be gay,

In such a jocund company,
I gazed_____and gazed____but little thought
What wealth the show to me had brought.

(a) Whose 'jocund company' is the poet referring to ?
(b) What is the 'show' ?
(c) What does the poet mean when he uses the world 'wealth' ?

Q.(C) Answer the questions.

(1) What and where did the poet see 'all at once' ?
(2) Which line in the poem tells us that what the poet saw were present in great numbers ?
(3) What did the waves do ?
(4) Mention three things which the flowers did.
(5) What happen when the poet is in a 'vacant' or 'pensive mood'

- : Book Link :-

https://drive.google.com/a/springer.com/file/d/1xW9ltI5AuhalV6d1-MSHj1D3N82gf9X2/view?usp=sharing

For Handwriting imporvment doing 06 page writing practice of Hindi and English language.

Math

EXERCISE 1A

1. Write the numeral for each of the following numbers:
   (i) Nine thousand eighteen
   (ii) Fifty-four thousand seventy-three
   (iii) Three lakh two thousand five hundred six
   (iv) Twenty lakh ten thousand eight
   (v) Six crore five lakh fifty-seven
   (vi) Two crore two lakh two thousand two hundred two
   (vii) Twelve crore twelve lakh twelve thousand twelve
   (viii) Fifteen crore fifty lakh twenty thousand sixty-eight

2. Write each of the following numbers in words:
   (i) 63,005   (ii) 7,07,075   (iii) 34,20,019
   (iv) 3,05,09,012   (v) 5,10,03,604   (vi) 6,18,05,008
   (vii) 19,09,09,900   (viii) 6,15,30,807   (ix) 6,60,60,060

3. Write each of the following numbers in expanded form:
   (i) 15,768   (ii) 3,08,927   (iii) 24,05,609
   (iv) 5,36,18,493   (v) 6,06,06,006   (vi) 9,10,10,510

(Page No 01)

Number System   11

EXAMPLE 11. For making 16 shirts, 44 metres of cloth is needed. How much cloth is required for each shirt?

Solution   We have:

Cloth required for 16 shirts = 44 m.

Cloth required for each shirt = (44 m) ÷ 16

= 2 m 75 cm.

Hence, the cloth required for each shirt

= 2 m 75 cm.

$$\begin{array}{r} 2\ m \\ 16\ \overline{)\ 44\ m} \\ -32 \\ \hline 12\ m \\ \times 100 \\ \hline 16\ \overline{)1200\ cm}\ (\ 75\ cm \\ -112 \\ \hline 80 \\ -80 \\ \hline x \end{array}$$

EXAMPLE 12. A car covers 1002 km in 16 hours. At what speed per hour does the car move?

Solution   Distance covered in 16 hours = 1002 km.

Distance covered in 1 hour = (1002 km) ÷ 16

= 62 km 625 m.

Hence, the speed of the car is 62 km 625 m per hour.

$$\begin{array}{r} 16\ \overline{)1002\ km}\ (\ 62\ km \\ -96 \\ \hline 42 \\ -32 \\ \hline 10\ km \\ \times 1000 \\ \hline 16\ \overline{)10000\ m}\ (\ 625\ m \\ -96 \\ \hline 40 \\ -32 \\ \hline 80 \\ -80 \\ \hline x \end{array}$$

(Page No 02)

(Page No 03)

Solution We have:
Population of Andhra Pradesh = 98306965.
Population of Karnataka = 89627598.
Population of Kerala = 46308927.
Total population of the three states = (98306965 + 89627598 + 46308927)

	2	2		1				2	2	1	2
	TC	C		TL	L	T Th	Th	H	T	O
	9	8	3	0	6	9	6	5
+	8	9	6	2	7	5	9	8
+	4	6	3	0	8	9	2	7
	2	3	4	2	4	3	4	9	0

The total population of the three states is 234243490.

EXAMPLE 3. *The difference between two numbers is 9476583. If the smaller number is 6873547, find the greater number.*

Solution We have:
Difference between the two numbers = 9476583.
Smaller number = 6873547.
Hence, greater number = (9476583 + 6873547)

	1	1	1	1	1	1	1	
	C	TL	L	T Th	Th	H	T	O
		9	4	7	6	5	8	3
+		6	8	7	3	5	4	7
	1	6	3	5	0	1	3	0

Hence, the greater number is 16350130.

EXAMPLE 4. *The population of a city in the year 2014 was 14693675. In the following year, the population became 18002403. Find the increase in the population.*

Solution We have:
Population in the year 2015 = 18002403.
Population in the year 2014 = 14693675.
Increase in population = (18002403 − 14693675)

	C	TL	L	T Th	Th	H	T	O
	1	8	0	0	2	4	0	3
−	1	4	6	9	3	6	7	5
		3	3	0	8	7	2	8

Hence, the increase in population is 3308728.

EXAMPLE 5. *There was a stock of 17380245 quintals of wheat in a godown of the Food Corporation of India. Out of this stock, 2756744 quintals of wheat was sent to Haryana and 4863108 quintals to Punjab. How much is the balance stock now?*

Solution We have:
Total stock of wheat = 17380245 quintals.
Quantity of wheat sent to Haryana
= 2756744 quintals.
Quantity of wheat sent to Punjab
= 4863108 quintals.
Total quantity of wheat taken out of the godown
= (2756744 + 4863108) quintals
= 7619852 quintals.

	1	1				1	
	2	7	5	6	7	4	4
+	4	8	6	3	1	0	8
	7	6	1	9	8	5	2

	1	7	3	8	0	2	4	5
−		7	6	1	9	8	5	2
		9	7	6	0	3	9	3

(Page No 04)

Balance stock of wheat in the godown = (17380245 − 7619852) quintals
= 9760393 quintals.

EXAMPLE 6. *The cost of a steel almirah is ₹ 22875. What is the cost of 465 such almirahs?*

Solution Cost of 1 almirah = ₹ 22875.
Cost of 465 almirahs = ₹ (22875 × 465)
= ₹ 10636875.

Hence, the cost of 465 almirahs is ₹ 10636875.

		2	2	8	7	5
	×		4	6	5
	1	1	4	3	7	5
1	3	7	2	5	0	×
9	1	5	0	0	×	×
1	0	6	3	6	8	7	5

EXAMPLE 7. *6895 screws can be packed in one carton. How many screws can be packed in 1685 such cartons?*

Solution We have:
Number of screws in 1 carton
= 6895.
Number of screws in 1685 cartons
= (6895 × 1685)
= 11618075.

Hence, the number of screws in 1685 cartons is 11618075.

		6	8	9	5
	×	1	6	8	5
	3	4	4	7	5
5	5	1	6	0	×
4	1	3	7	0	×	×
6	8	9	5	×	×	×
1	1	6	1	8	0	7	5

EXAMPLE 8. *The mass of each gas cylinder is 16 kg 250 g. What is the total mass of 18 such cylinders?*

Solution Mass of 1 cylinder = 16 kg 250 g.
Mass of 18 cylinders = (16 kg 250 g) × 18
= 292 kg 500 g.

Hence, the total mass of 18 cylinders is 292 kg 500 g.

	(+4)	
	kg	g
	16	250
×		18
	292	500

EXAMPLE 9. *The piece of cloth required for a shirt is 2 m 85 cm. How much cloth will be required for 16 such shirts?*

Solution We have:
Cloth required for 1 shirt = 2 m 85 cm.
Cloth required for 16 shirts = (2 m 85 cm) × 16
= 45 m 60 cm.

Hence, the cloth required for 16 shirts = 45 m 60 cm.

	(+13)	
	m	cm
	2	85
×		16
	45	60

EXAMPLE 10. *The cost of 16 flats constructed by UP Awas and Vikas Parishad is ₹ 24809520. What is the cost of each flat?*

Solution We have:
Total cost of 16 flats = ₹ 24809520.
Cost of each flat = (₹ 24809520) ÷ 16
= ₹ 1550595.

Hence, the cost of each flat is ₹ 1550595.

```
16) 24809520 (1550595
    − 16
      88
    − 80
       80
     − 80
        95
      − 80
       152
     − 144
         80
       − 80
          ×
```

(Page No 05)

In 8-digit numbers, clearly 63890503 > 63872604 (9 T Th > 7 T Th).
In 7-digit numbers, clearly 5023145 > 4965328 (5 TL > 4 TL).
The 6-digit number is 576943, which is clearly the smallest.
∴ 63890503 > 63872604 > 5023145 > 4965328 > 576943.
Hence, the given numbers in descending order are:
63890503, 63872604, 5023145, 4965328, 576943.

EXERCISE 1B

Fill in each of the following boxes with the correct symbol > or <:

1. 1003467 ☐ 987965
2. 3572014 ☐ 10235401
3. 3254790 ☐ 3260152
4. 10357690 ☐ 11243567
5. 27596381 ☐ 7965412
6. 47893501 ☐ 47894021

Arrange the following numbers in descending order:

7. 63521047, 7354206, 63514759, 7355014, 102345680
8. 5032786, 23794206, 5032790, 23756819, 987876
9. 190909, 1808088, 16060666, 16007777, 181888, 1808090
10. 199988, 1704382, 200175, 1702497, 201200, 1712040

Arrange the following numbers in ascending order:

11. 9873426, 24615019, 990357, 9874012, 24620010
12. 56943201, 5694437, 56944000, 5695440, 56943300
13. 700087, 8014257, 8015032, 10012458, 8014306
14. 1020304, 893245, 980134, 1021403, 893425, 1020216

WORD PROBLEMS ON NUMBER OPERATIONS

ILLUSTRATIVE EXAMPLES

EXAMPLE 1. *A businessman earned ₹ 3648970 in the year 2014. Next year, his earning was increased by ₹ 956880. What was his earning in the year 2015?*

Solution Earning of the man in the year 2014 = ₹ 3648970
Increase in earning during next year = ₹ 956880
Man's earning in the year 2015 = ₹ (3648970 + 956880) = ₹ 4605850.

	1	1	1	1	1		
	TL	L	T Th	Th	H	T	O
	3	6	4	8	9	7	0
+		9	5	6	8	8	0
	4	6	0	5	8	5	0

Hence, the man's earning in the year 2015 is ₹ 4605850.

EXAMPLE 2. *A survey shows that the population of Andhra Pradesh is 98306965, that of Karnataka is 89627598 and that of Kerala is 46308927. What is the total population of these three states?*

(Page No 06)

SOLVED EXAMPLES

EXAMPLE 1. *Which is greater: 24576813 or 9897686?*

Solution Here, we have to compare 24576813 and 9897686.
Clearly, 24576813 consists of 8 digits while 9897686 contains 7 digits.
We know that a number with more digits is greater.
∴ 24576813 > 9897686.

EXAMPLE 2. *Which is greater: 96850374 or 96721895?*

Solution Let us arrange the given numbers in a place-value chart, as shown below.

Crores	Ten lakhs	Lakhs	Ten thousands	Thousands	Hundreds	Tens	Ones
9	6	8	5	0	3	7	4
9	6	7	2	1	8	9	5

Clearly, both the numbers have 8 digits.
At the crores place both have the same digit, namely, 9.
At the ten lakhs place both have the same digit, namely, 6.
But, at the lakhs place, the first number has 8 while the second has 7.
Clearly, 8 > 7.
∴ 96850374 > 96721895.

EXAMPLE 3. *Arrange the following numbers in ascending order:*
3763214, 18340217, 984671, 3790423, 18431056

Solution Let us arrange the given numbers in a place-value chart, as shown below.

Crores	Ten lakhs	Lakhs	Ten thousands	Thousands	Hundreds	Tens	Ones
		3	7	6	3	2	1	4
	1	8	3	4	0	2	1	7
		9	8	4	6	7	1
		3	7	9	0	4	2	3
	1	8	4	3	1	0	5	6

Out of the given numbers one is a 6-digit number, two are 7-digit numbers and two are 8-digit numbers.
6-digit number is 984671.
In 7-digit numbers we have 3763214 < 3790423.
In 8-digit numbers we have 18340217 < 18431056.
Hence, the given numbers in ascending order are:
984671 < 3763214 < 3790423 < 18340217 < 18431056.

EXAMPLE 4. *Arrange the following numbers in descending order:*
63872604, 4965328, 63890503, 5023145, 576943

Solution Let us arrange the given numbers in a place-value chart.

Ten crores	Crores	Ten lakhs	Lakhs	Ten thousands	Thousands	Hundreds	Tens	Ones
	6	3	8	7	2	6	0	4
		4	9	6	5	3	2	8
	6	3	8	9	0	5	0	3
		5	0	2	3	1	4	5
			5	7	6	9	4	3

6

4. Write the corresponding numeral for each of the following:
   (i) $6 \times 10000 + 2 \times 1000 + 5 \times 100 + 8 \times 10 + 4 \times 1$
   (ii) $5 \times 100000 + 8 \times 10000 + 1 \times 1000 + 6 \times 100 + 2 \times 10 + 3 \times 1$
   (iii) $2 \times 10000000 + 5 \times 100000 + 7 \times 1000 + 9 \times 100 + 5 \times 1$
   (iv) $3 \times 1000000 + 4 \times 100000 + 6 \times 1000 + 5 \times 100 + 7 \times 1$
5. Find the difference between the place values of the two nines in 79520986.
6. Find the difference between the place value and the face value of 7 in 27650934.
7. How many 6-digit numbers are there in all?
8. How many 7-digit numbers are there in all?
9. How many thousands make a lakh?
10. How many thousands make a crore?
11. Find the difference between the number 738 and that obtained on reversing its digits.
12. What comes just after 95479999?
13. What comes just before 99000000?
14. What comes just before 10000000?
15. Write all 3-digit numbers using 2, 3, 4, taking each digit only once.
16. Write the smallest number of different digits formed by using the digits 3, 1, 0, 5 and 7.
17. Write the largest number of different digits formed by using the digits 2, 4, 0, 3, 6 and 9.
18. Rewrite each of the following numerals with proper commas, using the international place-value chart. Also, write the number name of each in the international system.
    (i) 735821   (ii) 6057894   (iii) 56943821
    (iv) 37502093   (v) 89350064   (vi) 90703006
19. Write each of the following in figures in the international place-value chart:
    (i) Thirty million one hundred five thousand sixty-three
    (ii) Fifty-two million two hundred five thousand six
    (iii) Five million five thousand five

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SSt (Footprints)

Chapter No :01 When, Where and How

Q.(A) Answer the following question in detail.

(1) Why do we study the past ? Who studies the past ?

(2) What do you know about the dates that we use in history. Explain with help of a time line.

(3) How do scholars study the past ?

(4) What are archaeological sources ? How do they help us in studying the past ?

(5) How does the geographical location of a place influence its history ?

English

Chapter No :01 Sources of Food

Q.(A) Answer the following question in detail.

(1) Write the name of some decomposers.

(2) Which roots and stems we eat as food ?

(3) Name the animals that give us milk, meat and eggs.

(4) How the animals are grouped on the basis of food they eat.

(5) Write the ingredients of following food dishes.

(a) Rajma   (b) Rice   (c) Mixed vegetable   (d) Egg Curry   (d) Palak - paneer.

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English

Chapter No 01 : After Twenty Years

Q.(A) Answer these questions in 30-40 words each.
(1) Describe the polieman on the beat.
(2) Why did the man speak up quickly when the policeman approached him ?
(3) Describe the watch that 'Silky' Bob was wearing. What does this tell us about him ?
Q.(B) Answer these questions in 80-100 words each.
(1) Why do you think Jimmy Wells continued to talk to 'Silky' Bob ?

Science

Chapter No 01 : Nutrition in Plants.

Q.(A) Answer in brief.
(1) Which plants are insectivorous ?
(2) Write the equation of photosynthesis.
Q.(B) Answer in detail.
(1) Explain the process of photosynthesis and conditions required for it.
(2) Describe the different types of heterotrophic plants.
(3) How the pitcher plants catches insects ?
(4) What are lichens ? Why they are called natural indictors of air pollution ?
(5) How the parasitic plants are different from saprophytes ?

Math

Chapter No 01 : Intigers

Q.(A) Solve the example of exercise 1(B) and solve the question No 09 to 16 of Exercise 1(A).

S.St (Footprint)

Chapter No 01: When, Where and How

Q.(A) Answer the following questions in brief.
(1) What are the court chronicles ? Give examples.
(2) What were the major historical developments during the medieval period ?
Q.(B) Answer the following questions in detail.
(1) In What ways has the meaning of the term 'Hindustan' changes over the centuries ?
(2) How are the sources of medieval Indian history classified ? Write in detail.
(3) Write a note on literary sources of the medieval period.
(4) Explain any three political development the took place in India during the medieval period.

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Homework for COVID-19 Holidays (Assignment 3rd)

Class-8TH

Science

Chapter No : Crop Production and Management

Q.(A) Answer in detail

(1) Explain the term crop and classify it into different categories.

(2) What is ploughing and its benefits ?

(3) List out any four differences between manure and fertilizer.

(4) Write a short on traditional and modern system of irrigation.

(5) Answer the followings :

(1) What is weeding ? (2) Which weeds grow with crops (3) How the weeds removed from the field

(6) Collect the pictures of different agricultural implements. Paste them on a scrap book. Write their brief applications below each of them.

(7) Collect seeds of different kinds, lables them and make a seeds herbarium.

(8) Draw nitrogen cycle on a chart paper.

SSt (Foortprints)

Chapter No 02 : From Trade to Territory

Answer the following questions in detail

(1) Describe the struggle between the British and the French for gaining supremacy in India.

(2) Which factors helped the British conquer Bengal ?

(3) How did the Subsidiary Alliance help the British but hinder the Indian rulers ?

(4) What was the Doctrine of Lapse ? Explain its impact.

(5) Give the main features of the civil administration and judicial system developed by the British for their Indian terroitories.

English

Chapter No 03 : Little Nino and My Secret Beard

Q.(A) Answer the following questions.

(1) List Nino's methods to save water.

(2) How do you think DJ felt when Nino described his essay to him ? Justify your answer.

(3) Water scarcity is a problem which many people are not aware of. What do you think accoutns for this ignorance ?

Values and LIfe skills

The Earth has limited amounts of natural resources which are fast disappearing due to the increasing demands of humans. In groups. discuss :

(1) How is modern living affecting the Earth's resources ?

(2) What step can you take to lessen the demands on our natural resources ?

Math

Solve the exercise 1(B) and Solve the example of exercise 1(C)

Note : Do 7 pages of handwriting practice of both languages Hindi and English.

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Homework for COVID-19 Holidays (Assignment 3rd)

Class-9th

English (Beehive)

Chapter No 01 : The fun they had

Q.(A) Answer the following with reference to the story.

(1). "I wouldn't throw it away."

(i) Who says these words ?

(ii) What does 'it' refer to ?

(iii) What is it being compared with by the speaker ?

(2) "Sure they had a teacher. but it wasn't a regular teacher. It was a man."

(i) Who does ' they' refer to ?

(ii) What does 'regular' mean here ?

(iii) What is it constrasted with ?

(3) Answer the each of these questions in a short paragraph (about 30 words).

(1) What kind of teachers did margie and Tommy have ?

(2) Why did Margie's mother send for the Country Inspector ?

(3) What did he do ?

(4) Why was Margie doing in geography ? What did the Country Inspector do to help her ?

(5) What had once happened to Tommy's teacher ?

Math

Solve the example no 09 and 10 and exercise 1.3.

Science

Chapter No : 01 Matter in our Surrounding

Q.(1) What is the physical state of water at -

(a) 25^0C   (b) 0^0C   (c) 100^0C

Q.(2) Give two reasons to justify -

(a) Water at room temperature is a liquid.

(b) an iron almirah is a solid at room temperature.

Q.(3) Why is ice at 273 K more effective in cooling than water at the same temperature ?

Q.(4) What produces more severe burns, boiling water or stream ?

Q.(5) Write a short note on the *"Effect of change of pressure"*

Q.(6) Write a short note on *"Evaporation".*

S.St
Contemporary India

Chapter No 01 : India - Size and Location

Q.(1) Answer the following questions briefly.

(i) Name the group of islands lying in the Arabian Sea.

(ii) Name the countries which are larger than India.

(iii) Which island groups of Indian lies to its sout-east ?

(iv) Which islands countires are our southern neighbours ?

Q.(2) The sun rises two hours earlier in Arunachal Pradesh as compared to Gujarat in the west but the watches show the same time. How does this happen ?

Q.(3) The central location of India at the head of the Indian Ocean is considered of great significance. Why ?

Class-10th

Science

Chapter No : 01 Chemical reaction and equaiton

Q.(1) Write the balanced chemical equation for the following and identify the type of reaction in each case.

(a) Potassium bromide(aq) + Barium iodide(aq) - Potassium lodide(aq) + Barium bromide (s)

(b) Zinc carbonate(s) - Zinc oxide(s) + Carbon dioxide(g)

(c) Hydrogen(g)+Chlorize(g) - Hydrogen chloride(g)

(d) Magnesium(s) + Hydrochloric acid(aq) - Magnesium Chloride(aq) +Hydrogen(g)

Q.(2) What does one mean by exotehermic and endothermic reactions ? Give examples.

Q.(3) Why is respiration considered an exothermic reaction ? Explain.

Q.(4) Why are decomposition reactions called opposite of combination reactions ? Write equations for these reactions.

S.St (Footprint)

Chapter No 01 : The Rise of Nationalism in Europe

Q.(A) Write in brief

(1) Briefly trace the process of German unification.

(2) What changes did Napoleon introduce to make the administrative system more efficient in the territories ruled by him ?

Q.(B) Discuss

(1) Explain what is meant by the 1848 revolution of the liberals. What were the political, social and economic ideas supported by the liberals ?

(2) Choose thee examples to show the contribution of culture to the growth of nationalism. in Europe.

(3) Through a focus on any two countries, explain how nations developed over the nineteenth century.

(4) How was the history of nationalism in Britain unlike the rest of Europe ?

(5) Why did nationalist tensions emerge in the Balkans ?

English
First Flight

Chapter No : 01 A Letter to God

Thinking about the text

(1) Who does try to find out who had sent the money ? What is the irony in the situation ?

(2) Are there people like Lencho in the real world ? What kind of a person would you say he is ?

(3) There are two kinds of conflict in the story: between humans and nature and between humans themselves. How are these conflicts illustrated ?

English Grammar

(1) Make ten sentences on direct to indirect speech.

(2) Make ten senteces for model auxiliary.

(3) Make ten sentences on Active voice to Passive Voice

Math

Solve the exercise 2.3 and 2.4 with examples.

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Class-12TH

Physics

Chapter No : 01 : Electric Charges and Fields

1.5 When a glass rod is rubbed with a silk cloth, charges appear on both. A similar phenomenon is observed with many other pairs of bodies. Explain how this observation is consistent with the law of conservation of charge.

1.6 Four point charges $q_A = 2\,\mu C$, $q_B = -5\,\mu C$, $q_C = 2\,\mu C$, and $q_D = -5\,\mu C$ are located at the corners of a square ABCD of side 10 cm. What is the force on a charge of 1 μC placed at the centre of the square?

1.7 (a) An electrostatic field line is a continuous curve. That is, a field line cannot have sudden breaks. Why not?
(b) Explain why two field lines never cross each other at any point?

1.8 Two point charges $q_A = 3\,\mu C$ and $q_B = -3\,\mu C$ are located 20 cm apart in vacuum.
(a) What is the electric field at the midpoint O of the line AB joining the two charges?
(b) If a negative test charge of magnitude 1.5×10^{-9} C is placed at this point, what is the force experienced by the test charge?

1.9 A system has two charges $q_A = 2.5 \times 10^{-7}$ C and $q_B = -2.5 \times 10^{-7}$ C located at points A: (0, 0, –15 cm) and B: (0,0, +15 cm), respectively. What are the total charge and electric dipole moment of the system?

1.10 An electric dipole with dipole moment 4×10^{-9} C m is aligned at 30° with the direction of a uniform electric field of magnitude 5×10^4 NC^{-1}. Calculate the magnitude of the torque acting on the dipole.

Chemistry

Chapter No : 01 : The Solid State

(1) What is meant by the term 'coordination number'?
(2) (ii) What is the coordination number of atoms : ?
(a) in a cubic close-packed structure? (b) in a body-centred cubic structure?

(3) How can you determine the atomic mass of an unknown metal if you know its density and the dimension of its unit cell? Explain.

(4) 'Stability of a crystal is reflected in the magnitude of its melting points'. Comment. Collect melting points of solid water, ethyl alcohol, diethyl ether and methane from a data book. What can you say about the intermolecular forces between these molecules?

(5) How will you distinguish between the following pairs of terms:
(i) Hexagonal close-packing and cubic close-packing?

(ii) Crystal lattice and unit cell?

(iii) Tetrahedral void and octahedral void?

Math

Q.(A) Mislencious exercise of chapter **"*Inverse of trignomatery function with example.*"**

Biology

(4)

offspring in plants. such as :
1. Eyes → potato
2. Rhizome → ginger
3. Bulbil → Agave
4. Leaf buds → Bryophyllum
5. Offset → water hyacinth.

→ FRAGMENTATION :- the body breaks into distinct fragments, each grows into an adult as in Hydra.

→ 'Terror of Bengal' → water hyacinth. invasive weed that grows in standing water. Drains oxygen from water, leads to death of aquatic life.

Q. State advantages of Asexual reproduction.
Ans.1. energy requirements for reproduction are minimal.
2. Allows for species survival.
3. positive genetic influences passed to next generation.
4. eliminates needs for seeds.

5. Rapid maturity.
6. Crop losses can be balanced.
7. Only one organism is required to establish a colony.

Types of Reproduction

→ Asexual reproduction :- when offsprings are produced by a single parent with or without the involvement of gamete formation.
Example :- Budding in yeast, Binary fission in Amoeba.

→ Sexual reproduction :- When two parents participate in reproductive process and also involve fusion of male and female gametes.
Example :- Reproduction in plants and human being.