SKYWINGS INTERNATIONAL SCHOOL

Homework for COVID-19 Holidays

Class-LKG

English

Fill missing letters

A _ C _ E _

G _ I _ K _ M

_ O _ Q _ S _

U _ W _ Y _

| Hindi | Date _____
Page _____

श — स —

श्र — छ |

Math

What comes after

71 ___ 73 ___

75 ___ 77 ___

79 ___ 81 ___

83 ___ 85 ___

87 ___ 89 ___

91 ___ 93 ___

95 ___ 97 ___

99 ___

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English

Page:

Add and write

F + a + t = Fat

M + a + t =

C + a + t =

B + a + t =

H + a + t =

S + a + t =

R + a + t =

Math

<u>U.K.G</u>

<u>Write number names from 11 to 20</u>

11. Eleven   18.

12   19.

13   20.

14

15

16

17

Hindi	दो वर्णों के शब्द
	कल
	जल
	नल
	बल
	हल
	चल

SKYWINGS INTERNATIONAL SCHOOL
Homework for COVID-19 Holidays
Class-1st

Hindi(Readers)	आ की मात्रा वाले 10 शब्द लिखिए।
Hindi (Grammars)	Q.1. भाषा किसे कहते हैं? Q.2. भाषा के कितने रूप होते हैं? नाम लिखिए।
EVS	Answer the following questions.(Learn and write in rough notebook) Q.1. write three things we do with our hands. Ans. Our hands help us to hold things ,eat , write and clap. Q.2. write three things we do with the help of our legs. Ans.Our legs help us to walk, jump and skip.
Math	Math- 1.write numbers name: 11 to 20 2. Write the number that comes after: a) 0 __ b) 9 ___ c) 10 __ d) 15 __ e) 18___ f) 13 ____ 3. Write the number that comes before: a) __ 4. b) __ 12. c)__ 19. d) ___ 20
English	A. Fill in the missing words in the given words one has been done for you. b_d. c_t. d_g. b_s. s__n B. Find in the missing consonants in the given words one has been done for you. c__ar. __ut. __ug . __ ag. ___ap Q.C. Write definition of noun? Ans. Everything around us has a name . People , places, animals and things have names that we call nouns.
Computer	Computer- Answer the following questions: Q.1. what is computer? Ans . Computer is a electronic machine. Q.2 . How many parts of computer? Name them. Ans.There are main four parts of computer.

	1. Monitor 2. CPU 3. Keyboard 4. Mouse Q.3. Name any two natural things. Ans. Brids and trees. Q.4.Name any two man made things. Ans. Car and fan.
G.K.	Q.1.Write five we use different gadgets at home or School. Ans. Mobile, television, Smartwatch ,air conditioner , selfie Stick, Laptop. Q.2. Write any three seasons name. Ans. Summer , winter and Rainy seasons. Note: All work Learn and write rough notebook.

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Homework for COVID-19 Holidays
Class-2nd

Math	Write the number that comes after: a)39 ------ b)48 ------- c)56------ d) 112 --------- e)186 --------- f) 96 --------- g)158 --------- 2. Write the number that comes before: a) ----------- 16. b) ---------51. c) ----------- 98 d) ------------ 116. e) ---------- 154. f) ------------ 123 g) -----------168 h) ----------121 3.Write the number names: a) 38 ---------- b) 56 -------- c) 15 ----------- d) 98 ------- e) 116 --------- f) 28 -------- g) 157 ----------- h) 198-------
EVS	Evs- Answer the following questions:(Learn and write rough copy) 1. How many sense organs do we have ? Name them. Ans- We have five sense organs. Eyes ears nose tongue and skin 2. Which organ helps us to hear? Ans- Our ears helps us to ear. 3. Which organ do we us to smell? Ans- Our nose helps us to smell. 4. Which organ helps us to taste food ? Ans- Our tongue helps us to taste food.
English	(Write in rough copy) 1.Add-s to these words: a) Brother------- b) Duck -------- c) Pocket -------- d) Bat ------ e) coat ------- 2. Add-es to these words : a) Bus --------- b) Fox---------- c) Match ------------ d) Mango ------------ e) Glass ---------- 3.Change - y to ies: a) Story---------- d) Fly ------ b) City------------ e) lady---- c) Lily -----------
Computer	Fill in the blanks : (Write in rough copy) (tired output decision greek electonic) 1. A computer is an ---- machins. 2. The word computer is derived form the --- word. 3. A computer can work with out getting -------- 4. A Man can take his own -------. 5.We enter data in computer it process them and gives ------.
G.K.	(Learn and write in rough copy) 1.Which star is closest to the Earth? Ans- Sun 2. Which is the largest planet? Ans - Jupiter 3. What are the stars actually made up of?

	Ans- Gases 4. Which planet is nearest to the sun? Ans- Mercury 5. Which is the hottest planet ? Ans- Venus
Hindi	Hindi(R)- **आ की मात्रा वाले** 10 **शब्द लिखिए।** Hindi(Gr.)-Q.1. **भाषा किसे कहते हैं?** Q.2. **भाषा के कितने रूप होते हैं? नाम लिखिए।** (Learn and write rough notebook.)
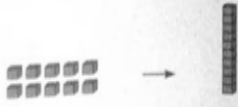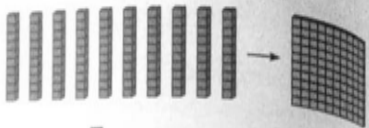
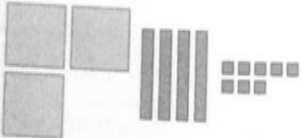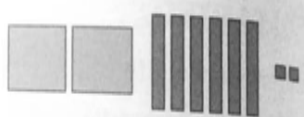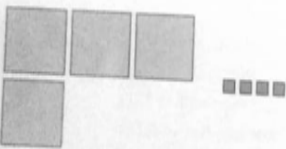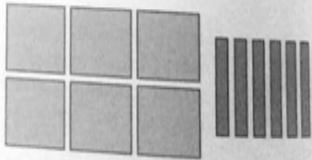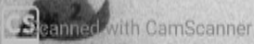|	
HINDI	(1) स्वरों से शुरूआत होने वाले 30 शब्द लिखें। (2) व्यंजनों से शुरूआत होने वाले 20 शब्द लिखें। (3) हिन्दी की लिखावट को सुधारने के लिए 7 सुलेख लिखों।
MATH	**Check what you know** 1. Fill in the blanks. a) 10 ones make 1 _____ b) 10 tens make 1 _____ Let us represent ones, tens and hundreds as ▪ | ■ respectively. 2. Write the number and number name. a) b) c) d) 3. Write the number and number name. a) 6 hundreds + 7 tens + 5 ones = ☐ _____ b) 4 hundreds + 8 tens = ☐ _____ c) 7 hundreds + 9 ones = ☐ _____

4. Write the number shown on each abacus.

a) H T O   b) H T O   c) H T O
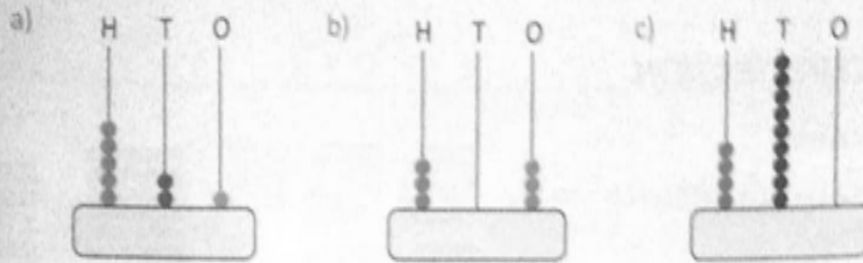
5. Write the expanded form.

a) 555 = _____ + _____ + _____   b) 990 =

c) 403 =   d) 800 =

6. Write the face value and the place value of the digit in red.

	Face value	Place value			Face value	Place value
a) 295	◯	▭	b) 240		◯	▭
c) 601	◯	▭	d) 560		◯	▭

7. Fill in the ◯ with >, < or =.

a) 176 ◯ 167   b) 485 ◯ 496   c) 990 ◯ 99

d) 708 ◯ 780   e) 650 ◯ 650   f) 123 ◯ 321

8. Write the numbers in ascending (increasing) order.

a) 272, 384, 96, 504

b) 634, 291, 388, 275

c) 405, 400, 419, 401

9. Write the numbers in descending (decreasing) order.

a) 184, 289, 753, 99

b) 738, 138, 384, 761

c) 95, 91, 109, 99, 100

Science	Chapter No 01 Living and Non-living Things 　　(1) Name any two man-made things. 　　(2) Write any two features of non-living things.

	(3) What are natural non-living things ? Give three examples. (4) Why do living things need food ? (5) Why do animals move ? (6) How do you react when you touch a hot vessel of water ? **(7)** How do fish breathe ?

English	**Chapter No : 01 Reggie Mouse's Shrinking Clothes**
	Question No 01 : Answer these questions.
	   (1) Why advice did Reggie's mother give to her son ?
	   (2) Why didn't Reggie listen to her advice ?
	   (3) Why did the buttons of Reggie's shirt go 'pop' ?
	   (4) Why were Reggie's cloth3es lying on the floor ?
	   (5) How did Reggie 'un-shrink' his clothes ?

S.St	Chapter No 01 : Our Solar System in the Universe Q.(A) Answer the following questions. (1) What is a star ? (2) How is a start different from a planet ? (3) Why is life possible on the Earth ? (4) What is a satellite ? (5) Name the eight planets in the solar system ?

SKYWINGS INTERNATIONAL SCHOOL

Homework for COVID-19 Holidays
Class-4th

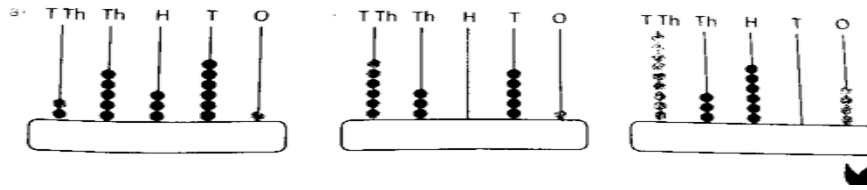|	
English	Chapter No : 1 **Q.(A) Read these sentences and answer the questions that follows :** 1. I disown you.' (a) Who said these words and to whom ? (b) Why did the speaker say these words ? (c) What happened immediately after ? 2. 'Yes father, I am, I am ! (a) Who said these words and to whom ? (b) What had the listener said earlier ? (c) Where did the speaker and the listener meet ? **Q.(B)**(1) Why did King Lear decide to divide his kingdom among his three daughters ? (2) How did the two older daughters lie to Lear ? (3) What reply did Cordelia give to her father's questions ? (4) How did Cordelia meet Lear in the end ? **Q.(D)** Think and answer. (1) Why do you think King Lear was unhappy about Cordelia's reply ? (2) How do we know Cordelia truly loved her father ? Link for the Concerned Subject : Book Link : https://drive.google.com/a/springer.com/file/d/1ulEOO2a133v036Qghi5otJdc8a2j3isL/view?usp=sharing
S.St (Footprints)	Q.(1) Answer the following questions. (1) Why do cartographers use symbols on maps ? (2) What is a legend ? (3) What is a physical map ? (4) What is a globe ? (5) Write any two advantages of maps over a globe Q.(2) Think IT over ! (HOTS) Have you or anyone you know, used a taxi service such as Uber or Ola ? How do these taxis find your location to pick you up and drop you at your chosen destination ? Discuss in class. https://drive.google.com/a/springer.com/file/d/10WM0lOP1L_mZ6KJvi8BH47AefxYofjl2/view?usp=sharing
Science	Chapter 1 : Food and Nutrition Q.(1) Define the following terms. 1. Nutrients 2. Roughage 3. Balanced diet 4. Food preservaiton Q.(2) Answer the following questions in short . (1) Why do wen eed food ? (2) Name the enrgy-giving nutrients. (3) Why is junk food harmful for us ? (4) What are the building-blocks of our body ? (5) Why is roughage important for our body ? (6) How can the spoilage of food items be deteced ? (7) How is pickling done ?

|	Q.(3) Answer the following questions in detail.
	(1) Explain the three major types of nutients. Mention two soures of each.
	(2) What functions do vitamins and minerals performs in our body ?
	(3) What is balanced diet ? What are its benefits ?
	(4) Mention any five healthy eating habits.
	(5) Why is food preservation necessary ? Explain the different methods of food preservation.
Math	**EXERCISE 1** 1. Write the number on each abacus.

2. Show the number on the abacus.

a) T Th Th H T O

| 5 | 4 | 2 | 0 | 1 |

b) T Th Th H T O

| 4 | 3 | 0 | 2 | 8 |

c) T Th Th H T O

| 2 | 3 | 7 | 2 | 0 |
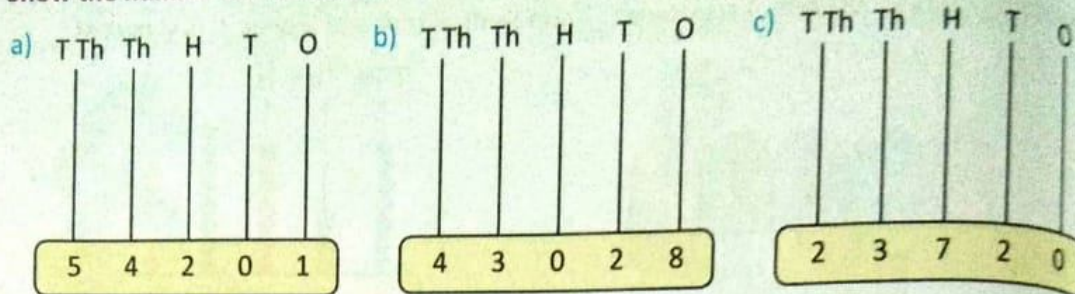
3. Write the number for the number name. Put the comma in the right place.

a) Ninety-one thousand four hundred seventy-five _____

b) Thirty-three thousand three hundred three _____

c) Eleven thousand ninety-one _____

4. Read the number and write the number name.

a) 84,290 : _____

b) 29,354 : _____

c) 60,032 : _____

5. Write down the following.

a) Greatest 5-digit number : _____   b) Smallest 5-digit number : _____

c) 3 thousand more than 10,010 : _____   d) 6 thousand less than 43,102 : _____

e) Ten thousand more than 12,345 : _____

f) The expanded form of 38,709 : _____

◆ 6-digit numbers

You know that:

The greatest 4-digit number is 9999.

9999 + 1 = 10,000

10,000 is the smallest 5-digit number.

The greatest 5-digit number is 99,999.

99999 + 1 = 100000

100000 is the smallest 6-digit number. It is read as 1 lakh.

Lakhs form a separate period. Therefore 100000 is written as 1,00,000.

The place value chart for 1,00,000 is:

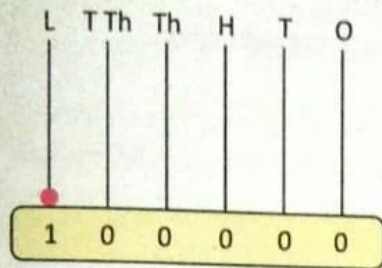| Lakhs period | Thousands period | | Ones period | | |
| Lakhs | Ten thousands | Thousands | Hundreds | Tens | Ones |
| 1 | 0 | 0 | 0 | 0 | 0 |

According to the census (counting of population) carried out in 2011, the population of the town of Dehradun was 578420.

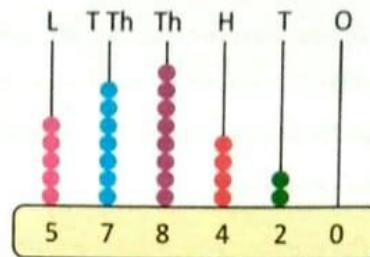578420 is written as: 5,78,420

It is read as: **Five lakh** seventy-eight thousand four hundred twenty

To show 6-digit numbers on an abacus, a sixth spike is needed. This is the lakhs spike.

1,00,000 is shown on the abacus as:

| 1 | 0 | 0 | 0 | 0 | 0 |

5,78,420 is shown in the abacus as:

| 5 | 7 | 8 | 4 | 2 | 0 |

In 5,78,420 the **place value** of:

5 is 5 × 1,00,000 = 5,00,000

7 is 7 × 10,000   = 70,000

8 is 8 × 1000   = 8000

4 is 4 × 100   = 400

2 is 2 × 10   = 20

0 is 0 × 1   = 0

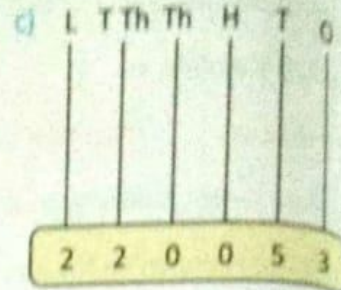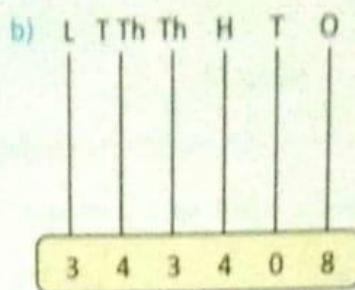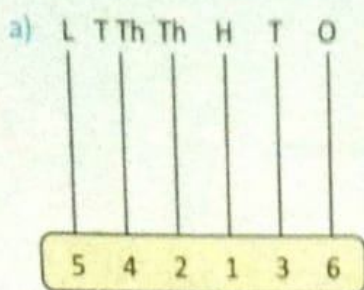| Lakhs period	Thousands period		Ones period		
Lakhs	Ten thousands	Thousands	Hundreds	Tens	Ones
5	7	8	4	2	0

Therefore, 5,78,420 in the **expanded form** is:

5,78,420 = 5,00,000 + 70,000 + 8000 + 400 + 20 + 0

EXERCISE 2

1. Write the number on each abacus.

a)

b)

c)

2. Show the number on the abacus.

a)

L	T Th	Th	H	T	O
5	4	2	1	3	6

b)

L	T Th	Th	H	T	O
3	4	3	4	0	8

c)

L	T Th	Th	H	T	O
2	2	0	0	5	3
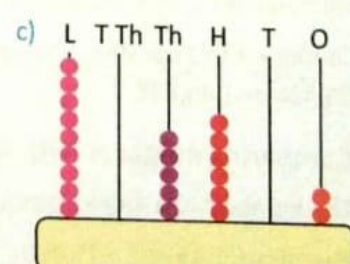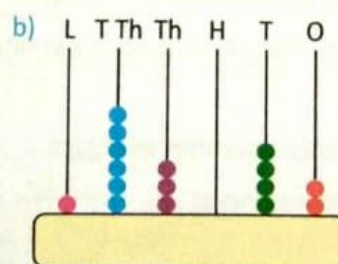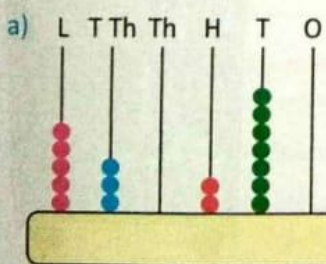
3. Write the number for the number name. Put the comma at the right place.

a) Six lakh forty-five thousand three hundred twenty : _____

b) Two lakh ninety thousand one hundred one : _____

c) Four lakh eleven : _____

4. Read the number and write the number name.

a) 6,28,732 : _____

b) 5,80,210 : _____

c) 4,41,063 : _____

5. Write the numbers.

a) Greatest 6-digit number : _____

b) Smallest 6-digit number : _____

c) 3 lakhs more than 4,10,010 : _____

d) 6 ten thousand less than 5,63,102 : _____

e) Ten thousand more than 7,12,345 : _____

f) Expanded form of 9,54,073 : _____

◆ **Comparing numbers**

A public library in Ernakulam has 75,430 books. A public library in Chennai has 1,45,498 books. Which library has more books?

To answer this question you have to find which number is greater—75,430 or 1,45,498.

Comparing numbers with different number of digits

The number with more digits is always greater.

Therefore, 1,45,498 > 75,430

The Chennai library has more books than the Ernakulam library.

Comparing numbers with same number of digits

1. First compare the lakhs digits.

   5,39,468 > 4,28,972

   as 5 > 4

2. If the lakhs digits are the same, compare the ten thousands digits.

   7,67,329 < 7,89,900

   as 6 < 8

3. If the lakhs and ten thousands digits are the same, compare the thousands digits.

   8,49,603 > 8,47,782

   as 9 > 7

4. Continue in this way—going to the right, digit by digit until you find two digits that are different. See the examples below.

   7,53,639 > 7,53,036

   as 6 > 0

   6,28,349 < 6,28,383

   as 4 < 8

   5,34,348 > 5,34,343

   as 8 > 3

◆ Ascending and descending order

Arranging numbers in **ascending order** means arranging them in increasing order— that is from the smallest to the greatest.

Example 1: Arrange in ascending order: 23,675   3456   60,000   8432

> **Step 1:** Find the **smallest number** and write it as the first number. Cancel it from the list.
>
> **Step 2:** In the remaining numbers, find the **smallest**, and write it next. Cancel it from the list.

23,675 3456 60,000 8432

step 1   step 2

3456 < 8432

Continue in this way till you have written down all numbers.

Answer: 3456, 8432, 23,675, 60,000
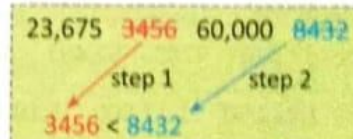
> **Rapid check**
>
> Write 4567 7654 1,12,345 and 21,543 in ascending order.

Arranging numbers in **descending order** means arranging them in decreasing order—that is from the greatest to smallest.

Example 2: Arrange in descending order: 5430   32,445   1,00,456   23,445

The method is the same, but in this case you have to find the **greatest number** in each step.

~~32,445~~   ~~1,00,456~~   ~~23,445~~   ~~5430~~

Descending order: 1,00,456, 32,445, 23,445, 5430

9
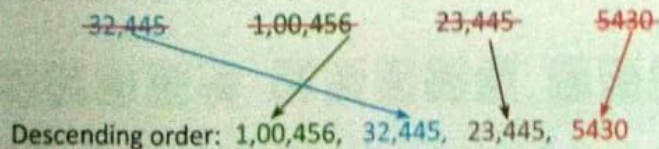
EXERCISE 3

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 |

10

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

SKYWINGS INTERNATIONAL SCHOOL

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Homework for COVID-19 Holidays
Class-5th

Science	UNIT 1: The world of Plants and Animals
	Q(A) : Define the following terms.
	    (1) Vegetative propagation
	    (2) Germination
	    (3) Seed dispersal
	    (4) Agriculture
	(B) (1) What are the necessary conditions for a seed to germinate ?
	(2) What is function of roots in a plant ?
	(3) Give one example of vegetative propagation by –
	(i) Roots (ii) Stem (iii) Leaves
	(4) How are seeds dispersed by explosion ?
	(5) What is a farm ?
	(6) Why are weeds and pests harmful for the crops
	(7) What is terrace farming ?

S.St
Footprints
	Chapter No : 01 The Earth's Surface
	Q.(1) Answer the following questions .
	    (i) Name the five oceans and seven continents.
	    (ii) What is marine life comprised of ?
	    (iii) Why does the Antarctica have no permanent human habitation ?
	    (iv) What is the Mid-Atlantic Ridge ?
	    (v) Write a brief note on the Southern Ocean.
	Q.(2) Think it 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.
	Book Link :-
	https://drive.google.com/a/springer.com/file/d/1EYuRyzgiwxy7l0NlB6IvH8SdaPs47r_K/view?usp=sharing

Mathematics	Chapter No 1: Large Numbers Solve example and exercise 1 Concerned book material is available on school website and school mobile app.

English	Chapter No : 01 Why Evergreen Trees Never Lose Their Leaves
	    (1) Why was the little bird left alone in the forest ?
	    (2) Why wouldn't the willow help the birds ?
	(3) How did the bird feel when he was speaking to the spruce ?
	(4) How did the pine help the bird ?
	(5) Why did Frost King spare the leaves of the spruce, pine and juniper ?
	Book List :
	https://drive.google.com/a/springer.com/file/d/15m9l0uQkBCIW7PuWxaLrsfe6jBRPv81J/view?usp=sharing

Science	Chapter No 01 : Source of Food Q.(A) Answer if brief. (1) Mention the variety of food products obtained from plants. (2) What are the main food sources obtained from animals ? (3) Why do we need food ? (4) Which plant parts we eat as food ? (5) Name the animals which give us food. Note :- Concerned Book material available on school website as well as school app.
S.St Footprints	Chapter No : 01 When, Where and How (1) Why is the study of history important ? Give any four reasons. (2) Why are coins important to historians ? (3) What are the important sources of history ? (4) What are the main literary sources of ancient history ? (5) Why did people in ancient times choose to live near rivers ? Book Link : https://drive.google.com/a/springer.com/file/d/1xW9ltI5AuhalV6d1-MSHj1D3N82gf9X2/view?usp=sharing
Mathematics	Chapter No 01: Number system Solve the example no 01 Note :- Concerned Book material available on school website as well as school app.
English	Chapter No 1 : The Selfish Giant (1) Why did the children enjoy playing in the garden ? (2) What did the North wind look like and what did he do ? (3) What was the first sign of Spring ? Name the four visitors who finally left the Giant's garden. (4) How do we know that the trees were happy to have Spring back ? (5) Why was it still winter in one corner of the garden ? (6) Do you think the Giant's garden was most beautiful garden ? Give reasons. Book Link : https://drive.google.com/a/springer.com/file/d/1jMOF_UJFfe8D8WmYJ_fUSOKw6mY8vF0S/view?usp=sharing

SKYWINGS INTERNATIONAL SCHOOL

Homework for COVID-19 Holidays
Class-7th

Subject	Particulars
English	Chapter No :01 After twenty years Q.(a) Answer these questions within 20 words each. (1) What time does the story begin ? (2) Where was the man from the West leaning ? (3) When was 'Big Joe' Brady's restaurant pulled down ? (4) Where were Jimmy and Bob raised ? Book Link : https://drive.google.com/a/springer.com/file/d/1sIOoXKSKfLBo-ybzzcYnwQe2iVO8yMqb/view?usp=sharing
Science	Chapter No : Nutrition in Plants Q.(A) :(1) Why do living organisms need food ? (2) Define photosynthesis . (3) Life on earth is impossible without plant. Justify your answer. (4) Differentiate between autotrophs and heterotrophs.
S.St Footprints	Chapter No : 01 Where, When, and How Q.(A) Answer the following questions in one sentence ? (1) How do royal decrees help historians ? (2) Name two biographies and two autobiographies written during the medieval period. (3) What are dohas ? (4) What is calligraphy ? (5) How do writings of foreign travelers help in reconstructing history ? Q.(B) Answer the following questions in brief. (1) Write about the periodisation of Indian history especially in the medieval period. (2) What do you know about the materials that were used while writing literary works in the medieval period in India ?
Mathematics	Chapter No :01 Integers Solve the example of exercise 1A and solve the exercise 1A (Question No 01 to 08) Note :- Concerned Book material available on school website as well as school app.

Science	Chapter No : 1 Crop Production and Management Q.(1) Name any two rabi crops and Kharif crops. (2) Which methods are used for soil enrichment ? (3) What is winnowing ? (4) Name the number of teeth in temporary set and permanent set. (5) What is the role of Rhizobium bacteria in nitrogen fixation ? (6) List out all the agriculture practices. (7) Soil is a mixture. Explain. (8) How is manure made ? (9) What is transplantation method of sowing seeds ? (10) What is mixed farming and its advantages ?

S.St
Footprints
	Chapter No : 01 - History – When Where and How
	    (i) Answer the following in one sentence.
	    (a) Who signed the Treaty of Madras ?
	    (b) Which part of India remained with the Portugese till 1961 ?
	    (c) Give the full form of EEIC.
	    (d) What were the Carnatics Wars ?
	    (e) What was the main characteristic of the Dual Government in Bengal ?
	    (ii) Answer the following questions in brief.
	    (1) Which European trading company came to India, but later on established itself in the Far East ?
	    (2) Define mercantilism. What is it based on ?
	    (3) How did the Treaty of Paris established the supremacy of the British ?
	    (4) What were the benefits of the Diwani rights secured by the British after the Battle of Buxar ?
	    (5) How did the British structure their army in India ?
	Book Link :
	https://drive.google.com/a/springer.com/file/d/100oVH0rcsoS662qr0JVB4OU3XaOlWRZh/view?usp=sharing

Math	Solve Exercise 1(A) Exercise PDF is available on school website and school app's circular option

English	Chapter No: 01 Little Nino and my secret Beard
	    (a) Why was DJ so called ?
	    (b) What were Nino's favourite subjects ?
	    (c) What ' according to his grandfather, was Nino's real secret ?
	    (d) Why did DJ want to convince Nino to save water ?
	(2) How does DJ describe Nino ?
	(3) Narrate the motorman's experience with Nino.
	(4) How do you know that DJ was nervous about talking to Nino regarding water conservation ?
	(5) Why was Nino given a Gold Star at school one day ?

	List Nino's methods to save water. Book Link : https://drive.google.com/a/springer.com/file/d/1RKZNsdzHHLYtLKj7eXcl_Uc7vP_ecpiN/view?usp=sharing

SKYWINGS INTERNATIONAL SCHOOL

Homework for COVID-19 Holidays

Class-9th

English Beehive	Chapter No 01 : The Fun They Had Q.(A) Answer these questions in a few words or a couple of sentences each. (1) How old are Margie and Tommy ? (2) What did Margie write in her diary ? (3) Had Margie ever seen a book before ? (4) What things about the book did she find strange ? (5) What do you think a telebook is ? (6) Where was Margie's school ? Did she have any classmates ? (7) What subjects did Margie and Tommy learn ?

Math	(1) Make a short note of introduction of the number system.
	(2) Write definition of the rational number and irrational number.
	(3) Find five rational number between one and five.
	(4) Find five rational number between 3/5 and 4/5.
	(5) Find six rational number between 3 and 4.
	(6) Give the reason for your answer.
	    (a) Every rational number is whole number.
	    (b) Every Integer is a whole number
	    (c) Every rational number is a whole number.

S.St	Chapter No 01 : India – Size and Location Q.(A) Answer the following question briefly. (1) Name the group of island lying in the Arabian Sea. (2) Name the countries which are larger than India. (3) Which island group of India lies to its south-east ? Q.(B) The sun rises two hours earlier in Arunachal Pradesh as compared to Gujarat in the west bu the watch show the same time. How does this happen ? Q.(C) The central location of India at the head of the Indian Ocean is considered of great significance. Why ?

Science	Chapter No : Matter in our Surroundings.
	Exercise :
	(1) Convert the following temperatures to the Celsius scale.
	    (a) 293 K (b) 470 K
	(2) Convert the following temperatures to the Kelvin scale.
	    (a) 250C (b) $373^{0}C$
	(3) Give reason for the following observations.
	(a) Naphthalene balls disappear with time without leaving any solid.
	(b) WE can get the smell of perfume sitting several metres away.
	(4) Arrange the following substances in increasing order of forces. of attraction between the particles – water, sugar, oxygen.
	Make a note on activity 1.1 (Physical Nature of Matter)
	                              1.2 (Characteristics of Particles of Matter)

Science	Chapter No 01: Chemical reaction and equation
	Q.(A) What happens when dilute hydrochloric acid is added to iron fillings ?
	Q.(B) What is a balanced chemical equation ?
	Q.(C) Balanced the following chemical equations.
	(a) $HNO_3 + Ca(OH)_2 – Ca(NO_3)_2 + H_2O$
	(b) $NaOH + H_2SO_4 – Na_2SO_4 + H_2O$
	(c) $NaCl + AgNO_3 – AgCL + NaNO_3$
	(d) $BaCl_2 + H_2SO_4 – BaSO_4 + HCl$
	Make short not on activity 1.1 and chemical equation and Balanced chemical equation
S.St	Chapter No 01 : The Rise of Nationalism in Europe
	Write in brief
	(a) Guiseppe Mazzini
	(b) Count Camillo de Cavour
	(c) The Greek war of independence
	(d) Frankfurt parliament
	(e) The role of women in nationalist struggles
	(2) What steps did the French revolutionaries take to create a sense of collective identity among the French people ?
	(3) Who were Marianne and Germania ? What was the importance of the way in which they were portrayed ?
	Book (2) - Contemporary India
	Chapter No 01 : Resources and Development
	(1) Answer the following questions in about 30 words.
	(i) Name three states having black soil and the crop which is mainly grown in it.
	(ii) What type of soil is found in the river deltas of the eastern coast ? Give three main features of this type of soil.
	(iii) What steps can be taken to control soil erosion in the hilly areas ?
	(iv) What are the biotic and abiotic resources ? Give some examples.
	(2) Answer the following questions in about 120 words.
	(i) Explain land use pattern in India and why as the land under forest not increased much since 1960-61 ?
	(ii) How have technical and economic development lead to more consumption of resources.
English	Chapter No 01 : A Letter to GOD
	(1) Why does Lencho have complete faith in ? Which sentences in the story tell you this ?
	(2) Why does the postmaster send money to Lencho? Why does he sign the letter 'God' ?
	(3) Did Lencho try to find out who had sent the money to him ? Why/Why not in the situation ? (Remember that the irony of a situation is an

	unexpected aspect of it. An ironic situation is strange or amusing because it is the opposite of what is expected. Note : For improvement in the handwriting Summarized the chapter 'Letter to God'.
Mathematics	Make a short note of introduction of the polynomials Q(1) : Draw any graph of three questions based on class 9th . Q.(2) : What do you mean by relationship between Zeroes and coefficients of polynomials. Q.(3) Solve the example and exercise 2.2 Q.(4) Make a short note of the summary of the chapter. Page No 37 (2.5 Summary)

Note :- All the subject's question/answer has been taken from the concerned class NCERT Books.

Chemistry	Chapter No 01 : ***The Solid state***
	Q.(1) Why are solids rigid?
	Q.(2) Why do solids have a definite volume?
	Q.(3) Classify the following as amorphous or crystalline solids: Polyurethane, naphthalene, benzoic acid,Teflon, potassium nitrate, cellophane, polyvinyl chloride, fibreglass, copper
	Q.(4) Refractive index of a solid is observed to have the same value along all directions. Comment on the nature of this solid. Would it show cleavage property?
	Q.(5) Classify .the following solids in different categories based on the nature of intermolecular forces operating in them: Potassium sulphate, tin, benzene, urea, ammonia, water, zinc sulphide, graphite, rubidium, argon, silicon carbide

ASEXUAL REPRODUCTION.

→ As only one Parent is involved, offspring that are produced are not only identical to one another but are exact copies of their parent.

→ <u>Clone</u> :- morphologically and genetically similar individuals.

→ Common in single celled organisms, and plants and animals with simple organisations.

→ Protists and Monerans undergoes cell division. (mode of reproduction)

MODE OF REPRODUCTION AS CELL DIVISION.

1) BINARY FISSION :- Cell divides into two halves and each rapidly grow into an adults.

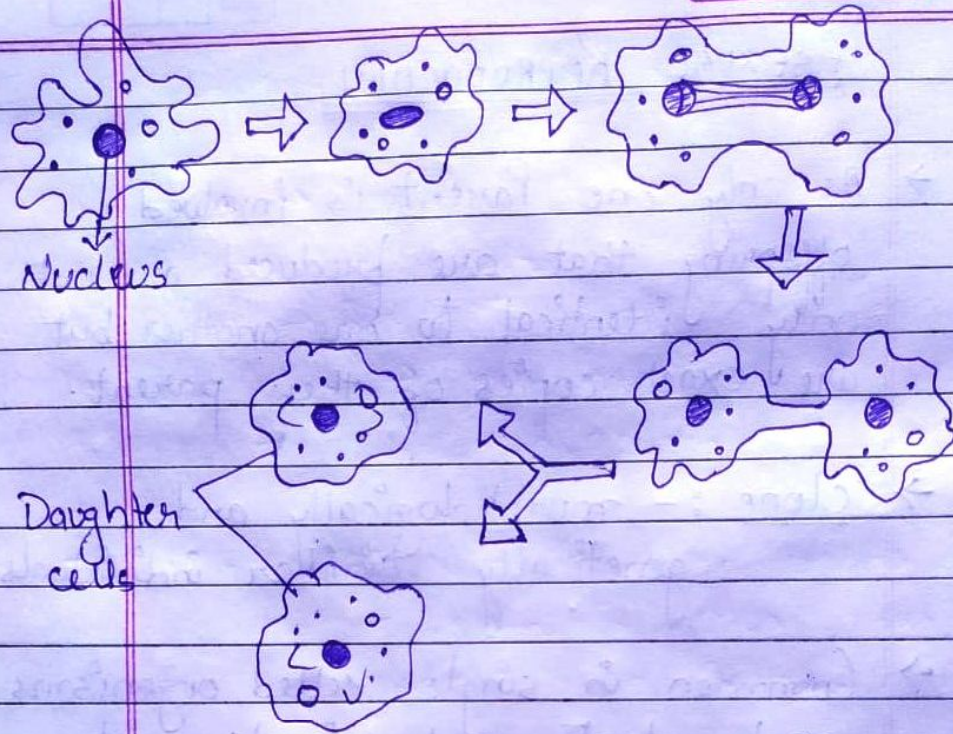Nucleus

Daughter
cells

Fig :- Binary fission in Amoeba.

* Under unfavourable conditions, amoeba
  secretes a 3 layered hard covering
  or cyst around itself, called
  encystation.

* Under favourable conditions, encysted
  Amoeba divides by multiple fission
  & the cyst wall bursts out, and
  spores are liberated in surrounding
  to grow up into many Amoeba.

This phenomenon is known as **Sporulation**.

2) Budding :- The division is unequal and buds are produced which get separated and mature into new individual.
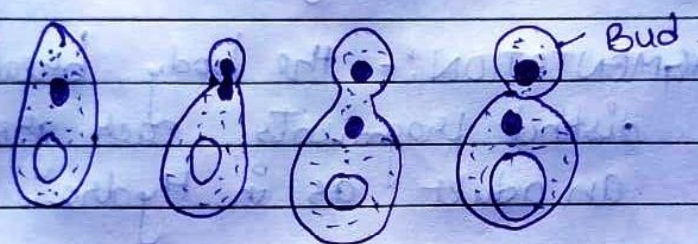

fig :- Budding in yeast

→ fungi and simple plants reproduce through asexual reproductive structures such as.

1. Conidia - penicillium
2. Buds - Hydra.
3. Gemmules - Sponges.
4. Zoospores - chlamydomonas.

→ Vegetative propagules :- structures capable of giving rise to new

Math	Chapter No 02 : Inverse of the trigonometric function, Solve the example and exercise 2.2
Physics	Chapter No 01 : Electric charges and Fields

Q.(1) What is the force between two small charged spheres having charges of 2×10^{-7}C and 3×10^{-7}C placed 30 cm apart in air?

Q.(2) The electrostatic force on a small sphere of charge 0.4 μC due to another small sphere of charge –0.8 μC in air is 0.2 N. (a) What is the distance between the two spheres? (b) What is the force on the second sphere due to the first?

Q.(3) Check that the ratio $ke^2/G\, m_e m_p$ is dimensionless. Look up a Table of Physical Constants and determine the value of this ratio. What does the ratio signify?

Q.(4) (a) Explain the meaning of the statement 'electric charge of a body is quantised'.
(b) Why can one ignore quantisation of electric charge when dealing with macroscopic i.e., large scale charges?