

The cover features a vibrant beach scene. At the top left, a bright yellow sun with rays is partially obscured by a white cloud. The sky is a clear, light blue. In the center, a large wooden signpost made of blue-painted planks stands on a sandy beach. The signpost has a horizontal top bar and two vertical posts. In the middle of the signpost, there is a white rounded rectangle containing the text. Below the signpost, two palm trees with green fronds and brown trunks are positioned on either side of a small table. The table is round and white, with a striped beach umbrella (yellow and red) open over it. Two matching striped beach chairs are placed on the sand, facing the table. The background shows a blue ocean and a white horizon line.

# SUMMER VACATION

**HOLIDAY HOMEWORK  
SESSION 2023-24  
CLASS VIII**



# MRGS, ROHTAK

## PREFACE

**Dear Parents and Students,**

Summer vacation is around the corner, bringing with itself a much-needed respite from hectic school days. We hope that you will thoroughly enjoy the vacations and make the most of this summer. While it is indeed important that you relax and refresh yourselves, it is also important that you exercise your minds.

Keeping this in mind, we have designed various exciting activities to keep the students engaged and active during the summer vacation. These fun projects/ assignments would enhance learning skills, help understand concepts better, and make for a great crash course aimed at improving academic output.

These activities will not only help you to revise what was taught, but will also enrich your knowledge. These projects will be assessed as Subject Enrichment Activity, Portfolio or Art Integrated activity.

We encourage parents to motivate and support the students to ensure the given work is completed in time, to the best of their ability. Your support and encouragement both have a huge impact on your child's learning ability.

The Holiday Home Work is to be done neatly with relevance to the questions asked and to be submitted to the subject teachers . School reopening i.e. 1<sup>th</sup> July 2023.

**Wishing you a fun filled, safe summer vacation.**

**PRINCIPAL  
MR. DHARMVEER**

## English

- 1- Write the story of the poem "Ant and the Cricket" in comic script. (Do in Scrapbook)
- 2-Newspaper cutting to be pasted in the notebook and frame atleast 5 questions from each and answer them.
- 3-Read the chapter "How the Camel Got His Hump"and "Children at Work." Make a list of atleast 20 nouns and 50 verbs (write forms also).
- 4-Write paragraph (120-150 words)on the following:
  - (1) Environment pollution.
  - (2)Role of computers in our life.
- 5-Make a dictionary of about 50 words from ch - 2 & 3 from book- It So Happened.[Do in Scrapbook]
  1. Make a chart on topic of grammar.

## हिंदी

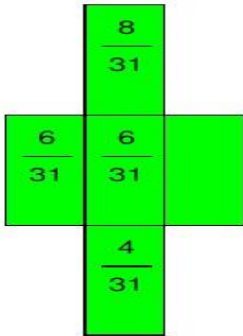
1. राष्ट्रीय वस्तुओं के नाम की सूची चित्र सहित तैयार करें।
2. नैतिक मूल्यों पर आधारित कहानी लिखें।
3. वसंत पाठ - 3 पाठ्य पुस्तक में पाठ 1, 2, 3, 4,5 की - अधिगम कर्ता डायरी (Learner's Dairy) तैयार कीजिए।
4. पाठ्य पुस्तक के पीछे दिए गए शब्दकोश से प्रतिदिन 5 नए शब्द अर्थ सहित लिखिए एवं याद कीजिए।
5. संपूर्ण कार्य याद करें।
6. प्रतिदिन समाचार पत्र पढ़ें एवं 15 सुलेख लिखें।
7. आप छुट्टियों में कहाँ घूमने जाना चाहते हैं इसका कारण भी बताइए। वहाँ जाकर आप क्या - क्या करेंगे? लिखिए।
8. एक पौधा लगाने के लिए क्या -क्या चाहिए ? आप पौधा कैसे लगाएँगे? लिखिए।

## MATHS

1. Project work : Construct 3 D shapes castle using cardboard, chart paper, colour paper etc.
2. Do activity - 3 and activity - 4 of Maths manual.
3. Do worksheet - 1, 2 & 3 of Chapter 3 of Collins Maths Workbook.

## ASSIGNMENT

- (1) If the sum of both the horizontal and the vertical rows is same, find the missing rational number.



- (2) Find the difference between the greatest and the least numbers of  $\frac{-7}{5}$ ,  $\frac{3}{16}$ ,  $\frac{2}{7}$ ,  $\frac{3}{24}$ .
- (3) Solve the following and simplify to lowest term:
- A)  $\frac{-3}{2} + \frac{6}{5} + \frac{5}{5} + \frac{-5}{3} + \frac{-4}{4}$
- B)  $\frac{1}{3} + \frac{2}{4} + \frac{-2}{5} + \frac{-1}{2} + \frac{6}{6}$
- (4) Is  $\frac{6}{11}$  the multiplicative inverse of  $-1\frac{5}{6}$  ? Why or why not ?



(5) What is the multiplicative inverse of  $\frac{6}{16}$  ?

(6) Reduce the rational number  $\frac{18}{15}$  to the lowest form.

(7) Name the property that is reflected in the following expression:

A)  $\frac{5}{-11} \times \frac{-11}{5} = 1$

B)  $\frac{1}{24} \times \frac{24}{1} = 1$

(8) Find the following and simplify it to lowest term:

A)  $\frac{5}{5} \times \frac{-2}{5} \times \frac{-3}{5}$

B)  $\frac{1}{3} \times \frac{-4}{4} \times \frac{-4}{4}$

(9) Write the rational number that are equal to their reciprocals.

### Choose correct answer(s) from the given choices

(10) Which of the following statements is false?

- a. Every rational number is a fraction
- b. Any number, when divided by 10 is a rational number
- c. Every fraction is a rational number
- d. Every negative number is a rational number

(11) Which of the statements given below is false?

- a. There is no fraction that cannot be represented as a rational number.
- b. All the negative numbers can be represented as rational numbers.
- c. A decimal number cannot be a rational number
- d. There is no integer that cannot be represented as a rational number.

(12) Which of the following statements is true for a rational number  $\frac{a}{b}$ .

- a. The denominator  $b$  cannot be 0
- b. The numerator  $a$  can be a decimal number
- c. The denominator  $b$  cannot be 1
- d. The numerator  $a$  cannot be 1

(13)  $\frac{-4}{0}$  is \_\_\_\_\_.

- a. not a rational number
- b. a positive rational number
- c. a negative rational number
- d. either positive or negative rational number

(14) Which of the following is a rational number(s) ?

- a.  $\frac{-7}{15}$
- b.  $\frac{-5}{-13}$
- c.  $\frac{6}{-13}$
- d. All of these

**WORKSHEET- 2****(LINEAR EQUATION IN ONE VARIABLE)**

1. Find the solution of  $3x-4 = 12$
1. Solve:  $5x-9 = 8$
2. What should be subtracted from thrice the rational number  $-8/3$  to get  $5/2$ ?
3. The sum of three consecutive multiples of 7 is 63. Find these multiples.
5. Two angles in a triangle are in the ratio 2:3. If the sum of these angles is equal to the third angle, then what is the value of third angle?
6. Solve the equation to find value of  $y$ .  
$$-2y + \frac{1}{2} = \frac{0.2}{2}$$
7. If  $f(x) = 2x - 5$  and  $f(p) = 3$ , find the value of  $p$ .
8. Find value of  $y$ :

$$3(2y - 1) + 5(7y - 3) = 35 - y$$

**Science**

**Learning Work**- Learn ncert questions and all notes of ch- 1,2,3,4.

**Writing work**- Find out internal question answers of ch-1, 2,3,4 and write them in your fair notebook.

Do the given assignments of all chapters in your fair notebook.

**Activity Work**- Make a chart on differentiation between Kharif Crops and Rabi Crops.

Make a chart on list of Microorganisms which causes diseases in plants and animals.

**Practical work**- Do experiment - 4,5,6,7 in your lab manual.

**Social Science**

1. Make a weather calendar for one week. Use pictures or symbols to show different types of weather. You can use more than one symbol in a day, if the weather changes.
2. Collect pictures, stories, poems and information about any of the following- Rani of Jhansi, Mahadaji Sindhia, Haider Ali, Maharaja Ranjit Singh, Lord Dalhousie or any other contemporary ruler of your region.
3. look into the history of either tea or coffee plantation in India. See how the life of workers in these plantation was similar to or different from that of workers in indigo plantation.
4. How is colour prepared from indigo plant in a factory? Explain it with the help of pictures.
5. **Learn** ch- 2 History (From Trade to Territory)  
Ch- 2 Geography ( Land, Soil, Water, Natural Vegetation and Wildlife)  
Ch- 3 Geography (Agriculture)

## Computer

- (a) Learn ch-1 & 2 ,5
- (b) Write ten uses of the Computer,
- (c) Study the CPU cabinet and make a chart of any 10 ports with diagrams. Label the diagrams and write the function of each port.

## General Knowledge

Do page no 61 -65 in GK book.

## Art

**Book** - Do page no. 11to 33 ,41,44,50

**Activity** -1. best out of waste meterial.

2. Craft work, glass painting.