

SUMMER HOLIDAY HOMEWORK

CLASS- 7TH (2025-26)

ENGLISH

1. Revise all the chapters done till date.
2. Design the Portfolio File in colorful way.
3. Read the Book 'Number the Stars' by 'Lois Lowry' and draw any favorite character or situation.
4. Art Integrated Project: Compare and contrast Uttar Pradesh and Arunachal Pradesh w.r.t Food, Dresses and Festivals.

HINDI

- 1-पाठ 6 कविता - समय सचित्र सुन्दर शब्दों में लिखिये एवं सस्वर वाचन कीजिए ।
- 2-“भारत ऋतु का देश है” - विषय पर एक अनुच्छेद लगभग 150 शब्दों में लिखिये ।
- 3-हिन्दी पंचांग के अनुसार प्रमुख 5 से 6 त्योहार को रंगीन चित्र पर A4 size पर बनाइए ।
- 4-गर्मी की छुट्टियों में आप जहां पर घूमने गए, अपने अनुभव को एक पत्र लिखकर मित्र से साझा करें (मित्र को पत्र लिखिये) ।

नोट- गृह कार्य A4 size रंगीन शीट पर किया जाना है जिसे पोर्टफोलियो कार्य हेतु संरक्षित किया जाना है ।

MATHEMATICS

A) SUBJECT ENRICHMENT ACTIVITY

Objective:

To reinforce the understanding of rational numbers through a creative and educational board game.

Instructions for the Student:

You are required to design a board game based on the concept of rational numbers. This activity will help you practice operations, comparisons, and properties of rational numbers in a fun and engaging way.

What You Need to Do:

1. Design a Board Game:
 - Use an A3 or chart paper to draw the game path (like snakes and ladders or any other style).
 - Include different types of tasks on some spaces:
 - Simplify a rational number
 - Compare two rational numbers
 - Plot a rational number on a number line

- Add/Subtract/Multiply/Divide two rational numbers
2. Decorate Your Game:
 - Use colors, symbols, and drawings to make your board attractive and neat.
 3. Submission:
 - Submit your board game after the holidays.
 - Write your name, class, and roll number on the back of the board.

B) SOLVE THE GIVEN QUESTIONS (Practice Notebook)

1. If $a = \frac{2}{3}$ and $b = \frac{-3}{4}$, find the value of : i) $\frac{(a-b)}{(a+b)}$ ii) $\frac{(a+b)}{(a-b)}$.
2. Sonal made a rectangular quilt that measured $3\frac{1}{4}$ ft in length and $2\frac{3}{4}$ ft in width. What is the area and perimeter of the quilt?
3. How many $\frac{1}{16}$ kg boxes of chocolates can be made with $1\frac{1}{2}$ kg chocolates?
4. Jason has two numbers, one of which is 31.7. Instead of adding the unknown number to 31.7, Jason subtracts it from 31.7 and gets 23.3 as the answer. Find the unknown number. What is sum of the two numbers?
5. i) Simplify: $21.5 \div 5 - 15 \times (20.5 - 5.5) + 0.5 \times 8.5$
 ii) Find the value of: $\frac{1}{4\frac{2}{7}} + \frac{1}{3\frac{11}{13}} + \frac{1}{\frac{5}{9}}$.
 iii) Find all the rational numbers whose absolute value is $\frac{7}{8}$.
6. Fill in the blanks:
 - i) Complete the pattern: $\frac{-1}{2}, \frac{2}{-8}, \frac{-3}{12}, \frac{4}{-16}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}$.
 - ii) Hundredth place is _____ times tenth place, and thousandth place is _____ times hundredth place.
 - iii) The product of $1.1 \times 0.1 \times 0.01$ is _____.
 - iv) Reciprocal of zero is _____.
 - v) Decimal representation of $22/7$ is _____.
7. The product of two rational numbers is 42.987. If one of them is 12.46. Find the other.
8. If $2/3$ of a number is 10, then what is 1.75 of that number.
9. Write 5 rational numbers between
 - i) 5 and 7
 - ii) -2 and -3
 - iii) $\frac{-1}{2}$ and $\frac{3}{4}$
10. Find average of $\frac{5}{6}, \frac{4}{3}$ and $\frac{5}{21}$

ASSERTION-REASON BASED QUESTIONS:

Each question consists of two statements namely, Assertion(A) and Reason(R). To select the correct answer, use the following codes:

- a) Both A and R are correct and R is the correct explanation of A.
- b) Both A and R are correct and R is not the correct explanation of A.

- c) A is true but R is false.
- d) A is false but R is true.

11. **A:** 5.1 is a rational number.

R: 5.1 can be written in the form of $\frac{p}{q}$, where p and q are whole numbers.

12. **A:** $56.5 = 56.005$.

R: Adding zeroes at the right end of a number after the decimal point does not change its value.

13. **A:** Fraction $\frac{2}{3}$ can be considered as rational number but $\frac{-4}{7}$ cannot be considered as fraction.

R: Fractions are the part of a whole.

CASE STUDY BASED QUESTIONS

14. Rahul is hosting a dinner party. He cuts a cake into 13 equal slices. 4 of his friends take 2 slices each and Rahul eats the rest. Let A be the fraction of the cake that Rahul eats.

- i) Express A as the rational number with a numerator of 30.
- ii) If $C = 13A + 10 \times \left(\frac{-1}{4}\right) \div \frac{5}{8}$, what is the value of C?
- iii) Find the number which, when added to A, would result in a value of zero.

15. Sneha along with her family was planning a vacation at a hill station, but they were confused where to go. Sneha's mother asked her to find out the temperatures of few hill stations for deciding on the place to visit. She checked the weather report on internet and found –

Shimla's temperature = $\left(\frac{-7}{2}\right)^0$ C

Shillong's temperature = $\left(\frac{-2}{5}\right)^0$ C

Auli's temperature = $\left(\frac{-3}{10}\right)^0$ C

Mcleod Ganj's temperature = 2^0 C

- i) Arrange the given temperatures in ascending order.
- ii) Find the absolute value of temperature of Shimla
- iii) Find the product of temperatures of Mcleod Ganj and Auli.
- iv) Find multiplicative inverse of temperature of Shillong.

SCIENCE

Instructions for Students:

Work to done in Science Practical file

1. Conduct the “**Baking Soda Volcano**” experiment. Write a paragraph explaining the reaction and label the reactants and products along with three applications of this reaction at our home.

2. Comparative Nutrition Chart: Make a table comparing nutrition in humans, cows and amoeba/ parasitic or insectivorous mode of nutrition Include: Type of nutrition, method of food intake, digestive organs. Add pictures or drawings for visual appeal.

3. Create a “Nutrition in Plants” Comic Strip

Use storytelling and drawing to explain how plants get their food. Include characters like “Greeny the Leaf” or “Sunny the Sunlight.” Use 6-8 frames and color it creatively.

Revise all three chapters

SOCIAL SCIENCE

PROJECT WORK ON ANY ONE OF THE FOLLOWING TOPICS:

• **Land and the People** **OR** • **Major Religions**

1(A) LAND AND THE PEOPLE

The project will include all the three sub- topics mentioned below:

- The Sahara and the Ladakh Deserts
- The Prairies and the Veld Grasslands
- The Amazon Basin and the Ganga - Brahmaputra Basin.

Prepare the project based on following pointers of each subtopic

- Location • Climate • Vegetation. • Wildlife & crops • People
- Maps showing the location of both the deserts, grasslands and basins.

NOTE: REFER TO CHAPTER -8 ' LAND AND THE PEOPLE ' FOR PREPARING THE PROJECT.

1(B) MAJOR RELIGIONS (Islam, Sikhism, Bhakti Movement and Sufism)

The project will include the following pointers:

- Name of the religion • Name of the founder • About the Gurus or Saints or Sufis. • Symbol • Teachings of the religion • Holy Scripture

NOTE: REFER TO CHAPTER 17 'MAJOR RELIGIONS' FOR PREPARING THE PROJECT

.IMPORTANT POINTS TO BE KEPT IN MIND:

- Project should be handwritten
- Project should be done in scrap file(notebook)

- It should be picture based
- Project should not be less than 5-7 pages
- Project should be submitted in the first week of July

SANSKRIT

- 1.चित्रम् दृष्ट्वा संस्कृते पंच वाक्याणि रचयन्तु (कोपि द्वयम् चित्रम्)
 2. बालक, (किम्) पुलिगे
 - 3.प्रतिदिनम् एकम् सुलेखम् लिखन्तु
 4. पंच पंच फलानाम् शाकानाम् पक्षिणाम् नामानि चित्र सहितम् संस्कृते लिखन्तु
 - 5 . साप्ताहिक नामानि संस्कृते लिखन्तु
- (सर्वे कार्यः A4 (sheet) पत्रकस्य उपरि कुर्वन्तु)

Multidisciplinary Holiday Homework

- **To be done in a separate file. All the subjects will be done in same file.**

Theme: **Van Mahotsav (Festival of Trees)**

English

Write a self-composed Poem on the 'Importance of Trees' or 'Van Mahotsav' Festival.

Hindi

पोस्टर बनाएं: पेड़ बचाओ संदेश सहित एक आकर्षक पोस्टर डिज़ाइन करें (स्लोगन जैसे - “पेड़ लगाओ, जीवन बचाओ”)।

Mathematics

Survey 5 types of trees in your area (e.g., Neem, Mango, Peepal, Banyan, Gulmohar).

1. Count how many of each type you see.
2. Present the data using a bar graph.
3. Create a symmetrical tree design using geometric shapes.

Science

1. Write a report on how afforestation helps fight climate change.
2. Observe and describe 5 local plants or trees, including their scientific names, uses, and any medicinal value.

Social science

1. Draw a map of India and mark the major forest regions.
2. Interview a local gardener or forest officer and write their views on tree conservation.

Sanskrit

1. निम्नलिखित शब्दों का संस्कृत में अनुवाद करें: वृक्ष, पत्ता, जल, वायु, पृथ्वी।
2. एक श्लोक लिखिए जिसमें वृक्ष या प्रकृति की महिमा हो।

Art

Make a leaf collage using real dried or collected leaves to create a creative design.

Computer

Design an e-poster using a tool like MS Word, Canva or Paint.