Summer Holidays Homework

Class: - VIII

Dear Students,

As the summer sun rises higher and the days stretch longer, it's time to pause, reflect, and recharge. The months of May and June bring with them not just warmth, but also the perfect opportunity to reconnect—with ourselves, with our families, and with the world around us.

Let us remember: "A mind stretched by new experiences can never go back to its old dimensions." This summer, let curiosity lead you, compassion guide you, and creativity energize you.

As part of the Summer Holiday Engagement 2025, we encourage you to stay indoors during peak hours, remain hydrated, and take thoughtful care of the ecology and environment around you. Even small steps—like reducing plastic use, saving electricity, and caring for plants—can bring meaningful change.

This year's holiday homework is designed to nurture Social, Emotional, and Experiential Learning. Whether you're experimenting in the kitchen, helping out at home, writing in your journal, or diving into a book—know that each activity contributes to your growth.

Let this summer be more than just a break. Let it be a season of purposeful rest, joyful discovery, and mindful action.

I believe in your potential to make a difference and look forward to seeing your spirit shine through in every page of your work.

Stay safe, stay curious, and above all—stay kind.

Warm wishes,

Class Teacher

GENERAL INSTRUCTIONS

- **Complete your homework in the given time period.**

- **Make a separate single notebook for all subjects.**

- **In every subject you will get marks of holidays homework. So , take it very seriously and send the photos and videos to the concerned teacher on scheduled time.**

English	**Grammar: -**
	1. Do Ch-20 (Word Formation)
	2. Do Ch-19 (Punctuation)
	3. Do Comprehension passage
	• Health and Exercise
	• Noise Pollution and Water Shortage
	Project Work: -
	1. Book Review Project
	• Read a story from the given book and create a review.
	• Include summary, favorite character, message of the book, and a rating.
	• Present it as a poster, PowerPoint, or small booklet.
	2. English in Daily Life
	• Observe and list how English is used in your daily surroundings (TV, signs, conversations, apps).
	• Present with pictures and short explanations.
	3. Write and Perform a Skit
	• Create a short script with dialogues and scenes.
	• Themes: kindness, environment, school life, or a funny situation.
	Learning Work:-
	• Read & Learn Ch-1 , 2 ,3 & 4
	• Read & Learn Ch-14,15 & in grammar.
Hindi	1. प्रतिदिन 5 कठिन शब्द लिखें।

2. 10 दिन तक सुलेख का एक पेज लिखें।

3. शब्द वर्गीकरण का एक चार्ट बनाएं।

4. रोजाना अपने गांव के प्रसिद्ध स्थानों पर जाएं और उनके बारे में जानें। पत्रकारों की तरह उस जानकारी की वीडियो रिकॉर्ड करके मेरे पास भेजें।

5. अपने गांव के मंदिर की फोटो प्रिंट करवा कर उसके विषय में जानकारी लिखें|

6. अपने राज्य और पड़ोसी राज्यों के पारंपरिक परिधानों और गहनों के बारे में जानकारी एकत्रित करके लिखिए और उनके चित्र कॉपी में चिपकाएं।

7. भारत की ऋतुओं का ऋतु चक्र बनाएं और इनमें से आपको अच्छी लगने वाली ऋतु के विषय में 10 पंक्तियां लिखें।

8. गणित के चिन्हों का हिंदी रूपांतरण चार्ट पेपर पर कीजिये जैसे (. - दशमलव)।

9. गणित से संबंधित कोई पांच मुहावरे चार्ट पेपर पर लिखिए।

10. पाठ एक से चार याद करें और रफ नोटबुक में लिख कर देखें।

11. व्याकरण के पाठ 1 से 4 का अभ्यास याद करें।

Maths	
	1: Interview family members to find 5 instances where they used math in daily life (shopping, cooking, budgeting, etc and Create a report/article titled "Math's at My Home"

2: Plan a one-day picnic for your family within a budget of ₹2000 And Show item-wise cost, apply percentages and display data using bar graphs or pie charts

3: Bake or cook something and note the ingredients And Write a recipe using fractions and conversions (1/2 cup, 3/4 tsp etc.) with illustrations.

4: Find 10 objects at home that match different geometric shapes And Create a "Geometry Photo Collage" with names and properties of shapes.

5: Write a short rap/song /poem using math vocabulary (e.g., angle, radius, factor ....so on) And Perform it for your family or record a video.

6: Research any Indian mathematician (e.g., Ramanujan, Shakuntala Devi) And Write a biography and include their famous contributions in math.

7. Revised Chapter 1,2,3,4

CHAPTERWISE WORKSHEETS :-

CHAPTER 1

Short Answer Type

1. Express $\frac{728}{-112}$ in standard form.

2. Simplify : $\frac{-5}{9} \times \left(\frac{-10}{13} \right) \times \left(\frac{21}{11} \right) \times (-7)$

3. If $\frac{3}{5}$ of a number exceeds its $\frac{2}{7}$ by 44, find the number.

4. Verify that $|x \times y| = |x| \times |y|$ by taking $x = \frac{-3}{5}$, $y = \frac{-5}{3}$.

5. Evaluate : $\frac{11}{14} + \frac{19}{10} + \frac{-9}{5} + \frac{-7}{4}$

6. By what number should $\frac{-33}{16}$ be divided to get $\frac{-11}{4}$?

7. Find $(x + y) \div (x - y)$, if $x = \frac{5}{4}$, $y = \frac{-1}{3}$.

8. Find a rational number between $\frac{-2}{3}$ and $\frac{1}{4}$.

9. The cost of $7\frac{2}{3}$ metres of rope is ₹ $12\frac{3}{4}$, find its cost per metre.

10. The product of two rational numbers is $\frac{63}{40}$. If one of the number is $\left(\frac{-7}{5} \right)$, find the other number. |

CHAPTER 2

Integer/Numerical Value Type

1. Evaluate : $\sqrt{41 - \sqrt{21 + \sqrt{19 - \sqrt{9}}}}$

2. The value of $7\left(\dfrac{\sqrt{625}}{11} \times \dfrac{14}{\sqrt{25}} \times \dfrac{11}{\sqrt{196}}\right)$ is

3. The square root of 15876 is

4. Find the least square number which is exactly divisible by 10, 12, 15 and 18.

5. The least number by which 294 must be multiplied to make it a perfect square is

6. Find the smallest number by which 5808 should be multiplied so that the product becomes a perfect square.

7. The tens digit of the least number by which 1470 must be divided to get a perfect square is

8. The value of x, if $(x, 24, 26)$ is a Pythagorean triplet, is

9. $16(1 + 3 + 5 + 7)$ is the square of

10. The smallest number by which 12348 must be divided to obtain a perfect square is

CHAPTER 3

Integer/Numerical Value Type

1. If $\sqrt[3]{\dfrac{a^6 \times b^3 \times c^{21}}{c^9 \times a^{12}}} = \dfrac{bc^k}{a^{k/2}}$, then $k = $ _____.

2. The cube of the number p is 16 times the number. Then find p where $p \neq 0$ and $p \neq -4$.

3. The digit in the unit place for the cube of a four digit number of the form $xyz8$ is _____.

4. The digit in the units place for the cube of the number 1234567 is _____.

5. A number is multiplied 3 times by itself and then 61 is subtracted from the product obtained. If the final result is 9200, then the number is

6. $\sqrt[3]{0.125} + \sqrt[3]{0.729} = \dfrac{n}{10}$. Find n.

7. If $a = 2b$ and $b = 4c$, then $\sqrt[3]{\dfrac{a^2}{16bc}} = $ _____.

8. If $\sqrt[3]{\dfrac{3^6 \times 4^3 \times 2^6}{8^9 \times 2^3}} = \left(\dfrac{3}{8}\right)^k$, then $k = $ _____.

9. The cube of a number ending in 3, ends in _____.

10. The cube root of 10648 is

Science	1. Visit to a nearby field. Study all the agriculture implements used by farmers. Find out the crops grown and identify them as Rabi or kharif crop. Find out the manure/fertilizer used by the farmers and record these inquiries in your notebook.

2. On a political map of India, maar the locations of five national parks and five wildlife sanctuaries & Paste it in the Notebook.

3. Draw diagram on ½ chart paper of male reproductive system and female reproductive system.

4. Read ch 5 and 6 and solve the exercise and puzzle of both chapters in the book.

5. Make aluminium foil electroscope and transfer of Charge by direct touching. Make a video and send it to subjective teacher.

6. Create a PowerPoint presentation on reproduction and reaching the age of adolescence.

7. Prepare a seminar on associated glands, types of reproduction, changes during puberty, sex determination of a baby and secondary sexual characters

Make the model of periscope and kaleidoscope.

SOLVE THESE NUMERICALS

Question 1. Calculate the pressure exerted by a force of (100) N acting on an area of (2) m^2.

Question 2. A force of 50 N is applied to an area, producing a pressure of (10) Pa. Calculate the area.

Question 3. What force is required to produce a pressure of 20 Pa on an area of 4 m^2

Question 4. A block weighing 200N rests on a surface with an area of 0.5 m^2. What is the pressure exerted by the block?

Question 5. A force of 150 N is applied to an area of 5 m2. Calculate the pressure.

Learning Work:- Learn chapter-1,3,7 and 8 |
| Social Science | **1. Biography Writing-**

Write a biography of your Favorite Political Leader.

Instruction-

When & where he/she was born.

His/hers Education.

Famous Slogan given by them,

When they started their career in politics.

Write about his life in 100 Words.

2.Model Making-

Build a simple model of any renewable energy source (like windmill or solar) |

Material needed –

Cardboard, sticks, paper, glue and paint.

3.Poster Making –

Design a poster on Fundamental Rights & Fundamental Duties.

Material needed – Chart paper sketch pens & colours.

Note- Describe all Fundamental Rights in brief.

4.Map Work

Mark the major agricultural regions of India (e.g., Wheat Belt, Rice Belt, Cotton Belt).

Identify areas with high productivity of important crops like rice, wheat, sugarcane, and tea.

Material Needed- Colours, Sketch pens, Map of India & Glue.

Note – Fill the given details on map & paste in your Notebook.

❖ **Make a full chart with the picture of Monument and write about it.**

(For Example- Taj Mahal, Red Fort, Qutub Minar, Golden Temple etc.)

Introduction-

Name of the monument.

Location of the monument.

A brief description.

Historical Background-

When was it built?

Who built it and why?

Special features if any.

Other queries-

Why do you like this monument the most?

Write 50 Words about the Monuments.

Note- Draw the picture of monument on ½ Chart Paper.

5.Story Writing –

Write a story on your favorite Indian Revoltuionaries like -Rani Laxmi Bai, Bhagat Singh , Lala Lajpat Rai, Mahtama Gandhi-(any two).

Note – Write all the things in holiday homework notebook & draw the picture of those Revolutionaries.

6.Plant observation Task-

Select a plant--- Seed a Plant-Record every day for example -Tomato, Mango or a local plant

	and observe the plants for 4 weeks.
	Label the parts like leaves, stem, and flowers.
	Development measure height and count new leaves.
	Water Schedule.
	Note- Write a summary explaining the plant's growth pattern and any interesting facts.
	Submission Guidelines:
	Neat layout and organized content
	Use of colors, headings, and creativity
	Proper grammar and handwriting
	Submit on the first day after holidays
Sanskrit	1. अपनी मनपसंद के कोई पांच विज्ञापन तैयार कीजिए।
	2. मिनी गार्डन बनाना- खाली बोतल और डिब्बो में पौधे लगाना, उनकी ग्रोथ के फोटो खींचना और उनकी रिपोर्टर लिखना।
	3. प्रत्येक पाठ से एक-एक तसवीर आधे चार्ट पर बनाएं और उनके दो-दो कार्य लिखें।
	4. वर्णो के उच्चारण स्थान को आधे चार्ट 1पर लिखें और सजाएं।
	5. आधे चार्ट पर 20 शब्दों का वर्णविच्छेद करें और सजाएं।
	6. रोजाना प्रत्येक पाठ से 10 शब्दो का शुद्ध उच्चारण करें और लिखना सीखें।
	7. उत्तर पुस्तिका का सारा कार्य याद करें।
	8. याद किया हुआ काम अपनी नोटबुक में लिख कर देखें।
Computer Science	**Activities**
	Activity 1: Create a Google Slide Presentation
	o Topic: *"My Favourite Hobby"*
	o Prepare a presentation with **4–5 slides** using **Google Slides**
	▪ Slide 1: Title and your name
	▪ Slide 2: Description of your hobby
	▪ Slide 3: Why you like it
	▪ Slide 4: Images or fun facts
	o Take a screenshot or print and paste in your notebook.
	☑ **Activity 2**
	Activity: Use Google Forms to Make a Quiz

- Create a simple **5-question quiz** on any subject (Math, Science, GK)
- Add different question types (MCQ, short answer)
- Share with family/friends and ask them to fill it
- Paste a screenshot of your form

✅ **Activity 3**

Activity: Create a Simple Animation in Krita

- Topic: *A bouncing ball* or *A moving car*
- Create a **5–10 frame animation** using the Timeline feature in Krita
- Save your animation as a **GIF** or **video**
- Paste 2–3 key frames as screenshots in your notebook

✅ **Activity 4: Computer Basics Revision**

Activity: Create a colourful poster (handmade or digital) on "Types of Computers" with pictures and short descriptions On a chart paper.

Objective: Reinforce understanding of computer types (Super, Mainframe, Mini, Micro, etc.)

✅ **Activity 5: Hardware vs Software**

Activity: Make a T-chart comparing hardware and software, listing at least 5   examples of each.

Objective: Differentiate between physical parts and programs.

✅ **Activity 6: Input & Output Devices**

Activity: Create a scrapbook or digital collage of input and output devices.

Objective: Identify common I/O devices with visual support.

✅ **Activity 7: Computer in Daily Life**

Activity: Write a paragraph on how computers are used in one of the following: schools, hospitals, banks, or airports.

Objective: Connect computer use to real life.

Questions & Answer's

Answer the following in your notebook:

- Q1. What is Google Drive used for?
- Q2. Name any 3 Google Apps and their use.
- Q3. How does Google Docs help in group projects?

Answer the following in your notebook:

- Q1. What is animation?

		o Q2. How is Krita used to create animation?
		o Q3. Name any 2 features in Krita that help in making animations.