



# Sri Guru Harkrishan Public School,

Dugri Road Ludhiana

# HOLIDAYS HOMEWORK

Relax ♥

Explore ☀

Learn 📖

Have Fun 😊

“Holidays  
are the  
perfect time  
to relax,  
explore,  
and  
grow. ♥

Come back  
refreshed,  
recharged and  
ready to *shine!* ”

Use this time to do what makes  
your *soul happy* and your future bright. ♥

**KEEP LEARNING, KEEP GROWING, KEEP SMILING!**



**SRI GURU HARKRISHAN PUBLIC SCHOOL, DUGRI ROAD,  
LUDHIANA  
CLASS – VII**

Subject	Holiday Home work
<b>English</b>	<p>General Guidelines</p> <ul style="list-style-type: none"> <li>* Complete all work neatly in a separate holiday homework notebook.</li> <li>* Maintain proper handwriting and presentation.</li> <li>* Decorate the notebook creatively.</li> <li>* Submit the homework on the reopening day after vacation.</li> <li>* Parents are requested to guide and encourage children to complete the work independently.</li> </ul> <p>Class VII - English Holiday Homework</p> <p>Section A - Reading</p> <ul style="list-style-type: none"> <li>* Read any one English novel or storybook.</li> <li>* Write a book review including title, author, main characters, summary, and moral in 150-200 words.</li> </ul> <p>Section B - Writing</p> <ul style="list-style-type: none"> <li>* Write an article on "Importance of Discipline in Student Life" (150 words).</li> <li>* Write a diary entry about your happiest holiday memory.</li> <li>* Design a poster on "Say No to Plastic".</li> </ul> <p>Section C - Grammar</p> <ul style="list-style-type: none"> <li>* Make a tree chart of Adjectives indicating its types with colorful symbols.</li> <li>* Complete the pages from grammar book -Verbs(59,60) - Tenses(89,90,91)</li> </ul> <p>Section D - Vocabulary</p> <ul style="list-style-type: none"> <li>* Learn 25 new words with meanings and sentences.</li> <li>* Write 10 synonyms and 10 antonyms.</li> </ul>
<b>Maths</b>	<p><b><u>ACTIVITY</u>: Prepare models on given topics according to your Roll No.</b></p> <p><b>Roll No. 1 – 8                      Types of Numbers</b></p> <p><a href="https://youtu.be/9_zylAhDNEY?si=1VkfHWoN8FAZHxek">https://youtu.be/9_zylAhDNEY?si=1VkfHWoN8FAZHxek</a></p> <p><b>Roll No. 9 – 16                      Types of Fractions</b></p> <p><a href="https://youtu.be/F-FZ1vDW5s0?si=O49ep-ACr2ha0kvh">https://youtu.be/F-FZ1vDW5s0?si=O49ep-ACr2ha0kvh</a></p> <p><b>Roll No. 17- 24                      Types of Triangle</b></p> <p><a href="https://youtu.be/TPi6yvgeZiM?si=qwqv6eZwt2QIR9sT">https://youtu.be/TPi6yvgeZiM?si=qwqv6eZwt2QIR9sT</a></p> <p><b>Roll No. 25- 32                      Rotational Symmetry</b></p> <p><a href="https://youtube.com/shorts/3Ywu0sAnZVo?si=RKn9Wt4gOEquVOX7">https://youtube.com/shorts/3Ywu0sAnZVo?si=RKn9Wt4gOEquVOX7</a></p> <p><b>Roll No. 33 – 40                      Types of Angles</b></p> <p><a href="https://youtu.be/4GqAeSQ5SNE?si=7RmQIaICio2yDuf8">https://youtu.be/4GqAeSQ5SNE?si=7RmQIaICio2yDuf8</a></p>

## Worksheet – 1

**Note:** All work should be done in the Holiday Homework Notebook.

### Section – A Choose the correct option :-

1. What is the predecessor of 1,00,00,000?  
(a) 99,99,999. (b) 1,00,00,001. (c) 10,00,000. (d) 99,00,000
2. Which is the smallest 8-digit number?  
(a) 10,00,000. (b) 1,00,00,000. (c) 10,000. (d) 99,99,999
3. Which expression represents: “Seven subtracted from 11”?  
(a)  $11 - 7$ . (b)  $7 - 11$ . (c)  $11 + 7$ . (d)  $7 \times 11$

### Fill the blanks for the following statements :

4. In the fraction , 3 is the \_\_\_\_\_.
5. 70,05,60,444 in words is \_\_\_\_\_.
6. Addition is always performed before division.  
\_\_\_\_\_. (True/False)
7. The “M” in BODMAS stands for Minus. (True/False).

### Section – B

8. Arrange the following numbers in:-  
(a) 85.05, 88.4, 88.051, 88.63, 88.471 (descending order)  
(b) 171.99, 146.4, 74.829, 145.91, 109.09 (ascending order)
9. Form the greatest and smallest 8-digit numbers using the given digits without repetition:  
(a) 0, 4, 6, 8, 9, 1, 5 and 7 (b) 3, 2, 0, 1, 6, 9, 7 and 8
10. Rohit bought petrol worth 257.45 and diesel worth 183.60. How much cheaper is diesel than the petrol?

## Section – C

11. In 2020 tax collected was 5,87,34,625. If it is to be equally distributed among 125 towns.  
then how much will each town receive?
12. Write short form of these numbers:-  
(a)  $8000 + 200 + 40 +$   
(b)  $600 + 10 +$
13. Maria had ₹ 200. She bought 3 books for ₹ 45 each and a pen for ₹ 20. How much money does she have left .

## Case Study Based Question

14. Class 7 students were selected to help in a “Grand Population Survey” during Mathematics Week. The students collected population data of different cities and countries and used the Indian and International Number Systems to read, compare, estimate, and round large numbers. The following data was displayed on the school notice board:

Place.	Population
City A.	75,43,62,141
City B.	49,760,480
City C.	44,00,89,648
City D.	7,49,05,91,915

**Answer the following questions:-**

- i) Write 49,760,480 in words according to the International Number System
- ii) Write the expanded form of 44,00,89,648.
- iii) Identify the digit in the ten-lakh place in 7,49,05,91,915.

## WORKSHEET- 2

### Section - A

**Choose the correct option:**

15. Which is a complex expression? (a)  $76 \div 2$  (b)  $44 - 44$   
(c)  $49 \div 7 \times 4 + 3$  (d)  $88 + 88$

16. Which symbol correctly compares:

44,00,89,648 \_\_\_\_\_ 7,49,05,91,915

(a) >                      (b) <                      (c) =                      (d) ÷

17. Which statement is true? (a) 1 crore = 10 lakh.    (b) 1 lakh = 1,00.

(c) 1 million = 10 lakh    (d) 1 billion = 10

crore

**Fill in the Blanks:**

18.  $89 + \underline{\hspace{2cm}} = 92 + \underline{\hspace{2cm}}$ .      20.  $305 - \underline{\hspace{2cm}} = 310 - 7$

### Section – B

19. Estimate:    (a)  $8,34,712 \times 3,892$                       (Estimate to nearest lakh  $\times$  thousand)

(b)  $5,43,21,987 + 62,345$ .    (Estimate to nearest crore + lakh]

20. Form the smallest 10-digit number using the given digits with repetition:-

(a) 6, 4 and 0                      (b) 4, 9 and 5

21. Remove the brackets and write the equivalent expression: (a)  $12 \times (5 - 2)$

(b)  $22 - (14 - 11)$

22. Write the place value of

underlined digit: (a)  $41.\underline{7}62$     (b)  $20\underline{8}.2$

### Section – C

5. Solve: (a)

26. Solve using BODMAS: (a)  $72 \div 8 + 15 - 9$

(b)  $50 + 36 - 4 \times 5$

23. A farmer has 600 kg wheat. He sells 25 kg wheat each to 10 shops. He receives 120 kg more wheat and store it equally in 6 bags. How much wheat remains with farmer?

## Case Study Based Question

24. Students to use Arithmetic expressions, BODMAS rule, and properties of operations to calculate expenses. The students collected the following information from different stalls:

<b>Stall.</b>	<b>Details</b>
<b>Snack Stall.</b>	<b>12 burgers at ₹ 45 each</b>
<b>Game Stall.</b>	<b>Entry ticket ₹ 75 and 4 game rounds at ₹ 20 each</b>
<b>Stationery Stall.</b>	<b>7 notebooks at ₹ 35 each and 5 pens at ₹ 12 each</b>
<b>Juice Stall.</b>	<b>8 juice bottles at ₹ 25 each with a discount of ₹ 40</b>

- (i) Write an expression for the total spending at the Game Stall.
- (ii) Write an expression for distributing 15 toy cars equally in 3 boxes.
- (iii) Write the expression for the Juice Stall after discount.

### Mathematics Portfolio Activity

Imagine you visited a small supermarket. Different items are sold in fractional and decimal quantities. Observe the details carefully and complete the tasks given below.

<b>Item.</b>	<b>Quantity Bought.</b>	<b>Cost (₹)</b>
<b>Apples</b>	<b>kg</b>	<b>96.75</b>
<b>Rice</b>	<b>1.25 kg</b>	<b>68.50</b>
<b>Cheese.</b>	<b>5 kg.</b>	<b>125.5</b>
<b>Juice</b>	<b>0.75 litre</b>	<b>84.60</b>

	<p><b><u>Answer the following questions:-</u></b></p> <p><b>Q1.</b> Convert the fractions into decimals:</p> <p><b>Q2.</b> Convert the following decimals into fractions in simplest form: (a) 1.25 (b) 0.75</p> <p><b>Q3. Find:</b></p> <p>a) A bottle contains 2.5 litres of juice. Rahul drank 0.75 litre. How much juice is left?</p> <p>b) Total amount spent?</p> <p>c) A shopkeeper sold kg rice in the morning and 3 kg in the evening. Find the total quantity sold.</p>
Hindi	<p>*कक्षा -7*</p> <p>*प्रस्तुति का तरीका* -- स्कैपबुक/ प्रोजेक्ट फाइल/ सुलेख के लिए नोटबुक</p> <p>*प्रस्तुति के सुझाव* पृष्ठों को कलरफुल बनाएं) शीर्षक को रचनात्मक बनाएं /इमोजी, स्टीकर या छोटी डूडल आर्ट शामिल करें। पाठ 4 और 5 को पढ़ें और पाठ्य पुस्तक में दिए गए अभ्यास कार्य को पूर्ण करें *अगर मैं प्रधानाचार्य होता* 120-150 शब्दों में कल्पनाशील कहानी की रचना करें और चित्र बनाएं। पाठ 4 और 5 से क्रिया और विशेषण शब्द छांट कर लिखें *लिखावट में सुधार* प्रतिदिन एक पृष्ठ सुलेख कर लिखें।</p>
Punjab i	<p>ਜਮਾਤ ਸੱਤਵੀਂ ਛੁੱਟੀਆਂ ਦਾ ਕੰਮ</p> <ol style="list-style-type: none"> <li>1. ਦੀਵਾਲੀ, ਦੁਸ਼ਹਿਰਾ, ਰੱਖੜੀ, ਲੋਹੜੀ ਚਿੱਤਰ ਲਗਾ ਕੇ ਪੰਜ- ਪੰਜ ਸਤਰਾਂ ਲਿਖੋ।</li> <li>2. ਰੋਜ਼ਾਨਾ ਇੱਕ ਪੰਨਾ ਸਾਫ਼ ਲਿਖਾਈ ਦਾ ਲਿਖੋ।</li> <li>3. ਰੋਜ਼ਾਨਾ ਖਬਰਾਂ ਨਾਲ ਸੰਬੰਧਿਤ ਅਖਬਾਰਾਂ ਵਿੱਚੋਂ ਚੁਣ ਕੇ ਕੋਲਾਜ ਤਿਆਰ ਕਰੋ।(A3 ਸੀਟ ਉੱਤੇ)</li> <li>4. ਇੱਕ ਰੁੱਖ ਸੌ ਸੁਖ ਨਾਲ ਸੰਬੰਧਿਤ ਚਾਰਟ ਤਿਆਰ ਕਰੋ ਤੇ ਇਸ ਬਾਰੇ ਦਾ ਸਤਰਾਂ ਲਿਖੋ।</li> </ol>
Scienc e	<p><input type="checkbox"/> <b>ACIDS &amp; BASES { ROLL NO 1 to 12 }</b></p> <p><input type="checkbox"/> <b>“My Kitchen Chemistry Lab”</b></p> <p><b>NATURAL INDICATORS</b></p> <p>Natural Indicator is a type of indicator that can be</p>

found naturally and can determine whether the substance is an acidic substance or a basic substance. Some examples of natural indicators are red cabbage, turmeric, grape juice etc.

It is important to determine the nature of a substance because it is essential in biology, chemistry, agriculture, , water treatment, medicine etc.

**Observation Reference:** Acidic substances change the color of the solution from purple to red or pink. Neutral substances turn the purple solution to blue. Basic substances change the color of the purple solution to green or yellow.

• On an A4 sheet Record your observation in Tabular form

### **Observation Table**

<b>Item</b>	<b>Nature Result</b>
1.lemon	Acidic Turns blue litmus red
2.Milk	
3. Vinegar	
4.bleach	
5. Baking soda powder	
6. Liquid soap	
7.Apple juice	

Also click pictures of your Activity and paste them on Sheets

**Add fun line:**

“I discovered that my kitchen is a mini chemistry lab!”

**Nature’s Heat Show” (Roll no 13 to 24)**

Model: Make a 3D Or working model of Sea Breeze & Land Breeze.

Materials:

Cardboard ,blue paper (water) , brown paper (land), cotton (clouds), arrows showing wind direction.

## □ □ Effect of Water and Sunlight on Plant

### Growth (Roll no 25 to 36 )

3 small pots or containers and plant 3 bean seeds (or any fast-growing seeds like moong, gram, or peas)

Label the pots: A (normal conditions), B (no sunlight), C (no water).

Place Pot A in sunlight and water it daily.

Place Pot B in a dark place but water it daily.

Place Pot C in sunlight but do not water it.

Observe daily for 7-10 days. Measure the height of the plants and note changes in color and leaves.

Record all observations on A4 sheet

Sr. No.	Pot Conditions	Height	Leaf colour
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1.	A Sunlight +water		
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## Assignment

### Metals and Non-Metals

#### 1. Fill in the blanks:

a) Metals are generally \_\_\_\_\_ (hard/soft) and \_\_\_\_\_ (good/poor) conductors of electricity.

b) Non-metals are usually \_\_\_\_\_ (ductile/malleable) and \_\_\_\_\_ (good/poor) conductors of heat.

#### 2. True or False:

a) Sodium is a metal that reacts vigorously with water.

b) Sulphur is a metal.

c) Metals are sonorous.

#### 3. Short answer:

a) Give two examples each of metals that are:

i) Highly reactive

ii) Noble metals

b) Name a non-metal used in fertilizers and explain why it is important.

### **Heat transfer in nature**

#### **1. Multiple Choice Questions:**

a) The process of heat transfer by the movement of fluids is called:

i) Conduction                      ii) Convection                      iii) Radiation

b) The heat from the Sun reaches the Earth mainly by:

i) Conduction                      ii) Convection                      iii) Radiation

#### **2. Short answer:**

a) Explain how ocean currents help regulate the climate?

b) Why do we feel cooler near a pond on a hot day?

#### **3. Activity (Optional, Fun Experiment):**

Place a spoon in hot water and observe the temperature change along the spoon. Which method of heat transfer are you observing? Write your observations in 3–4 sentences.

### **Life Processes in Plants**

#### **1. Fill in the blanks:**

a) The process by which plants make their own food is called \_\_\_\_\_.

b) Plants take in \_\_\_\_\_ from the soil and \_\_\_\_\_ from the air for photosynthesis.

#### **2. Label the diagram of a leaf and label:**

Stomata                      Chloroplast                      Vein

#### **3. Short Question Answer:**

a) Explain why transpiration is important for plants.

b) What is the difference between xylem and phloem?

**Theme: "Discovering India – From Nature to Nation"**  
**HOLIDAY HOMEWORK PROJECT**

**1. Create a "Mini India Scrapbook"**

Prepare a handmade scrapbook/file using colourful sheets and pictures.

**A. Geographical Diversity of India**

- Draw or paste a physical map of India.
- Mark and label: Karakoram Range, Shivalik Range, Aravali Range, Western Ghats, Eastern Ghats.
- Mark mountain peaks: K2, Kanchenjunga, Anai Mudi.
- Mark coastal plains: Konkan, Malabar, Coromandel & Northern Circar Coastal Plains.
- Add 2–3 interesting facts about each.

**B. Weather Reporter Activity**

- Imagine you are a weather reporter.
- Prepare a one-page weather report for any Indian city.
- Include temperature, rainfall, wind conditions, and clothing suggestions.
- Decorate with weather symbols and drawings.

**C. Rise of Empires – Comic Strip**

- Create a comic strip on Ashoka OR Samudragupta OR Gupta Age achievements. Minimum 6 boxes with dialogues and drawings.

**E. Types of Government Poster**

- Make a colourful poster comparing Democracy, Monarchy, and Dictatorship. Use symbols, cartoons, and examples.

**F. Constitution Corner**

- Write and illustrate Fundamental Rights and Fundamental Duties. Add slogans like "Rights and Duties Go Together".

**G. From Barter to Money**

- Create a small chart showing: Barter System → Coins → Paper Money → Digital Payment.

**2. Pilgrimage Map Work**

On a political map of India, locate and label the following pilgrimage centres:

- Amritsar
- Patna
- Banaras (Varanasi)
- Bodhgaya
- Vaishno Devi
- Lumbini

Workbook:

Do pg.no. 7,8,12-15,21,22,25

26,34,35,38-41,48,52-54,61,62,65-67,72-74,78,79,87,88,92-94,99,103,104,113-114,121,124-126,132,135,136,142-145,150.

**3. Art Integration Activity**

- Create a “Unity in Diversity Collage” showing different dresses, food, festivals, languages, and dance forms of India.

**4. Fun Creative Tasks (Any One)**

- Make a 3D model of mountain ranges or coastal plains.
- Prepare a travel brochure of any Indian state.
- Make flashcards for SST keywords.