



## Grade 8 – Holiday Homework-2025-2026

### Important Note for Students

- All Summer Holiday Homework should be done neatly and subject-wise in the respective subject notebooks unless specified otherwise.
- If a subject notebook is not available, use a ruled notebook or A4-size sheets, label them clearly with:  
**Student's Name                      Class & Section                      Subject**
- Write the subject name and topic on the top of each page.
- Maintain cleanliness and proper presentation while completing your work.
- Submit your homework on the day school reopens.

### English Literature

#### Reading & Response:

- Read any 1 chapter or poem from your textbook.
- Write a **summary**, the **central theme**, and one **favorite quote/line**.
- Choose one character and write a **character sketch** (80–100 words).

#### Creative Extension:

- Write a diary entry from the perspective of a character.
- Illustrate your favorite scene from the story or poem.

### English Grammar

Write a dialogue or story (10–15 lines) that includes:

- At least 5 Modal Verbs (can, could, should, would, must)
- 3 sentences in Passive Voice                      iii) 2 sentences in Indirect Speech

#### Vocabulary Builder

- Choose 10 new words from a newspaper, storybook, or article.

For each word, write: Meaning, Synonym and Antonym, Use in a meaningful sentence

### Hindi

#### 1. लेखन कार्य

निबंध (कोई एक – 200 शब्दों में)

- सोशल मीडिया का प्रभाव                      ii) जल संकट और समाधान

#### पत्र लेखन (औपचारिक/अनौपचारिक)

- अपने मित्र को छुट्टियों के अनुभव साझा करते हुए पत्र
- नगरपालिका को कूड़ा प्रबंधन हेतु पत्र

#### 2. भाषा अभ्यास

- 10 पर्यायवाची और 10 विलोम शब्द                      ii) 5 मुहावरे और 5 लोकोक्तियाँ (वाक्य प्रयोग सहित)
- वाक्य रचना: सरल, संयुक्त और मिश्र वाक्य के उदाहरण

#### 3. साहित्यिक गतिविधि

- एक हिंदी कविता (कवि का नाम सहित) याद करें और उसका भावार्थ लिखें।
- प्रेमचंद या किसी अन्य लेखक की लघु कहानी पढ़कर समीक्षा (100 शब्दों में)

### Mathematics

#### Practice Problems:

- Find the sum:  $(-3/4) + (2/5)$                       ii) Subtract:  $5/6 - 3/4$                       iii) Multiply:  $(-2/3) \times (4/5)$
- Divide:  $(3/7) \div (-2/5)$                       v) Arrange in ascending order:  $2/3, -1/2, 3/4$

#### b) Linear Equations

- Solve:  $x + 5 = 12$                       ii) Solve:  $3x = 27$                       iii) Solve:  $2x - 4 = 10$
- Solve:  $x/4 + 3 = 7$                       v) Solve:  $5x + 2 = 3x + 10$

#### c) Percentage, Profit & Loss

- Find 25% of 480

- ii) A shirt was bought for ₹ 200 and sold for ₹ 250. Find the profit and profit percentage.
- iii) A fan was bought for ₹ 1200 and sold at a loss of 10%. Find the selling price.
- iv) A number is increased by 20%. If the new number is 180, find the original number.
- v) A book was sold for ₹ 160 at a profit of 25%. Find the cost price.

#### **d) Mensuration (Surface Area & Volume)**

- i) Find the surface area of a cube with side 4 cm.
- ii) Find the volume of a cuboid with length 5 cm, breadth 3 cm, and height 2 cm.
- iii) Find the lateral surface area of a cube with side 6 cm.
- iv) Find the volume of a cube of side 7 cm.
- v) A cylinder has a radius 3.5 cm and height 10 cm. Find its volume.

#### **e) Graphs and Data Handling**

- i) Draw a bar graph for the following data:  
Apples - 40, Oranges - 30, Bananas - 20, Grapes - 10
- ii) Find the mode of the data: 2, 5, 3, 2, 6, 2, 4
- iii) Find the median of the data: 7, 5, 3, 9, 1
- iv) The marks obtained by a student in 5 subjects are 80, 75, 90, 60, and 85. Find the average marks.
- v) The following data shows the number of books read by students:  
A - 4, B - 5, C - 2, D - 3. Represent using a pictograph.

#### **2. Creative Task: ( Any One)**

- a) Create a Maths Puzzle / Board Game **or** a Poster on Real-Life Applications of Maths.
- b) Make a bar graph using data from daily life (e.g., screen time, food intake, etc.)

### **History**

#### **Research Project:**

Prepare a report (150–200 words) on:

- a) Indian Freedom Movement (any one leader or event)
- b) Revolt of 1857 – causes and effects

#### **Map Work:**

On a historical map of India, mark major centers of the 1857 revolt.

### **Geography**

#### **Activity:**

- i) Make a chart/model showing:
  - a) Earth's Interior
  - b) Types of Soils in India
  - c) Layers of the Atmosphere

#### **Map Work:**

On a political map of India, mark:

Major rivers, mountain ranges, and important cities.

### **Physics**

#### **Conceptual Work:**

Write notes (with diagrams) on:

- i) Force and Pressure
- ii) Friction and its effects
- iii) Sound and its propagation

#### **Home Activity:**

Perform a simple sound experiment (like making a paper cup phone) and explain the science behind it.

### **Chemistry**

#### **Notes & Charts:**

1) Write about:

- a) Physical and chemical changes
- b) Types of chemical reactions
- c) Metals & Non-metals – 5 differences

#### **Experiment (with adult supervision):**

Try a baking soda + vinegar experiment. Record the reaction and inference.

### **Biology**

#### **Diagrams & Definitions:**

- 1) Draw and label:
  - a) Human Respiratory System
  - b) Photosynthesis (with equation)
  - c) Reproduction in Plants (types with diagrams)

#### **Observation Activity:**

- a) Maintain a **Plant Growth Diary** for 7 days (drawings + notes).
- b) Create a chart on "**Health & Hygiene**" – good practices and habits.

### **Computer**

#### **Theme: Advanced Computer Concepts & Internet Ethics**

#### **1. Define the following terms and give one example each:**

- a) Artificial Intelligence
- b) Phishing
- c) Cloud Computing
- d) Malware
- e) E-waste

#### **2. Write a paragraph:**

"How Artificial Intelligence is Changing Our Lives" (100 words)

#### **3) Create a PowerPoint presentation (4–5 slides) on "Evolution of Computers".**

(If you can't make slides, create a layout for them on paper.)

Research and write about any 2 Internet-related careers (e.g., Web Developer, Data Analyst)

- a) Who are they?
- b) What skills do they need?
- c) Why is this job important?