

# KENDRIYA VIDYALAY GUMLA

## SUMMER VACATION HOLIDAY H/W(CLASS-6)

1. The product of the place values of two 2's in 428721 is  
(A) 3000 (B) 40000 (C) 400000 (D) 40000000
2.  $3 \times 10000 + 7 \times 1000 + 9 \times 100 + 0 \times 10 + 4$  is the same as  
(A) 3794 (B) 37940 (C) 37904 (D) 379409
3. If 1 is added to the greatest 7-digit number, it will be equal to  
(A) 10 thousand (B) 1 lakh (C) 10 lakh (D) 1 crore
4. The expanded form of the number 9578 is  
(A)  $9 \times 10000 + 5 \times 1000 + 7 \times 10 + 8 \times 1$   
(B)  $9 \times 1000 + 5 \times 100 + 7 \times 10 + 8 \times 1$   
(C)  $9 \times 1000 + 57 \times 10 + 8 \times 1$   
(D)  $9 \times 100 + 5 \times 100 + 7 \times 10 + 8 \times 1$
5. When rounded off to nearest thousands, the number 85642 is  
(A) 85600 (B) 85700 (C) 85000 (D) 86000
6. The largest 4-digit number, using any one digit twice, from digits 5, 9, 2 and 6 is  
(A) 9652 (B) 9562 (C) 9659 (D) 9965
7. In Indian System of Numeration, the number 58695376 is written  
(A) 58,69,53,76 (B) 58,695,376  
(C) 5,86,95,376 (D) 586,95,376
8. One million is equal to  
(A) 1 lakh (B) 10 lakh (C) 1 crore (D) 10 crore
9. The greatest number which on rounding off to nearest thousands gives 5000, is  
(A) 5001 (B) 5559 (C) 5999 (D) 5499
10. Keeping the place of 6 in the number 6350947 same, the smallest number obtained by rearranging other digits is  
(A) 6975430 (B) 6043579 (C) 6034579 (D) 6034759
11. Which of the following numbers in Roman numerals is incorrect?  
(A) LXXX (B) LXX (C) LIX (D) LIXX
12. The largest 5-digit number having three different digits is  
(A) 98978 (B) 99897 (C) 99987 (D) 98799
13. The smallest 4-digit number having three different digits is  
(A) 1102 (B) 1012 (C) 1020 (D) 1002
14. Number of whole numbers between 38 and 68 is  
(A) 31 (B) 30 (C) 29 (D) 28

15. The product of successor and predecessor of 999 is  
(A) 999000 (B) 998000 (C) 989000 (D) 1998
16. The product of a non-zero whole number and its successor is always  
(A) an even number (B) an odd number  
(C) a prime number (D) divisible by 3
17. A whole number is added to 25 and the same number is subtracted from 25. The sum of the resulting numbers is  
(A) 40 (B) 25 (C) 50 (D) 75
18. The predecessor of 1 lakh is  
(A) 99000 (B) 99999 (C) 999999 (D) 100001
19. The successor of 1 million is  
(A) 2 millions (B) 1000001 (C) 100001 (D) 10001
20. Number of even numbers between 58 and 80 is  
(A) 10 (B) 11 (C) 12 (D) 13
21. Learn and write the table from 2 to 20 three times.
22. Learn and write the numbers name in words from 1 to 100.

## PROJECT

**Make a project on INDIAN & INTERNATIONAL NUMBER SYSTEM.**

**Help link is given below:-**

<https://www.youtube.com/watch?v=ewvFonV5u2w>

<https://www.youtube.com/watch?v=HAMRltBdvZ4>

<https://www.youtube.com/watch?v=LOQB9IIF2E&list=PLW6ZJtqCeoWu3G2aB>

[HgS3sgHKia73-EQZ](https://www.youtube.com/watch?v=HgS3sgHKia73-EQZ)

<https://www.youtube.com/watch?v=dYRN04z68M4>



*Handwritten signature and date: 7/6/2026*

# SUMMER HOLIDAY HOMEWORK

## KENDRIYA VIDYALAYA GUMLA

### ARTIFICIAL INTELLIGENCE (AI)

#### Class VI

#### 1. AI Around Us

Write and paste pictures of any 5 AI-enabled devices/apps used in daily life.

Example:

- Alexa
- Google Assistant
- YouTube Recommendations

#### 2. Draw and Label

Draw a robot and label its parts creatively.

#### 3. Think Smart

Write answers:

1. What is Artificial Intelligence?
2. Name two AI applications used in schools.
3. Can robots think like humans? Write your opinion.

#### 4. Fun Activity

Observe your home for one day and list places where technology helps people.

#### 5. Digital Safety

Write any 5 cyber safety rules students should follow while using mobile or internet.

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Binay Kumar (CS)  
06/05/2026

# ग्रीष्मकालीन अवकाश गृहकार्य 2026

विषय- हिन्दी

कक्षा - 6 ठा

1. कक्षा में पढ़ाए गए सभी पाठों की पुनरावृत्ति करें।

2. किन्हीं दो विषयों पर लेख (अनुच्छेद) लिखें -

(क) मेरा प्रिय खेल

(ख) समय का महत्व

(ग) मेरा विद्यालय

(घ) एक आदर्श छात्र

3. आप कक्षा 6 के छात्र/छात्रा हैं। अपने प्रधानाचार्य को रिश्तेदार की शादी में शामिल होने के लिए 3 दिन का अवकाश माँगते हुए प्रार्थना पत्र लिखें।

4. आपने गर्मी की छुट्टियाँ किस प्रकार बिताई तथा आपने क्या-क्या किया, अपना अनुभव साझा करते हुए मित्र को पत्र लिखें।

5. मातृभूमि कविता को साफ व सुंदर अक्षरों में लिखकर कविता में आए संज्ञा, सर्वनाम, विशेषण व क्रिया शब्द छाँटकर लिखें।

6. गोल पाठ के आधार पर बताइए कि मेजर ध्यानचंद की सफलता का मुख्य रहस्य क्या था? उनके व्यक्तित्व से हमें क्या सीख मिलती है?

7. 'पर्यावरण संरक्षण' विषय पर बहुविषयी परियोजना कार्य पूर्ण करें तथा उसमें इसके महत्व, कारण, प्रभाव और संरक्षण के उपायों का वर्णन करें। (A4 size file में)

दिव्यज्योति  
विषय शिक्षिका

**KENDRIYA VIDYALAYA GUMLA**  
**SUMMER HOLIDAY HOMEWORK-2026**  
**CLASS-VI SUBJECT SCIENCE**

**A. Multiple Choice Questions. (Write only correct option)**

1. Animals which live on land as well as water but lay eggs in water only. Which of the following class will the animal fall into?  
a) fishes. b) mammals c) reptiles. d) amphibians
2. Living organisms produce more individuals of their own kind by the process of:  
a) reproduction b) photosynthesis c) respiration d) digestion
3. A plant having ribbon like leaves is found in  
a) desert b) water c) mountains d) plains
4. In which of the following plants leaves are modified as spines?  
a) Cactus b) Eucalyptus c) Deodar d) None of the above
5. What does biodiversity refer to?  
(a) The number of trees in a forest (b) The variety of living organisms in an environment  
(c) The number of plants in a garden (d) The number of animals in a zoo
6. Why are rhododendrons in the Shola forests of Nilgiris shorter in height and have smaller leaves?  
(a) Because of the presence of predators (b) Surviving heavy winds on mountain tops  
(c) Due to lack of water (d) Because of excess sunlight
7. What is the role of a habitat for a plant or animal?  
a) Provides only water b) Provides only food c) Provides food, water, shelter, and other survival needs d) Provides only shelter
8. What is a common feature of plants found in mountainous regions?  
a) Large, flat leaves b) Conical shape and sloping branches c) Shallow roots d) Thin stems
9. What type of roots does a mustard plant have?  
a) Fibrous roots b) Taproots c) No roots d) Aerial roots
10. What feature is commonly observed in desert plants?  
a) Broad leaves b) Thick, fleshy stems c) Thin roots d) Soft stems

**B. Reading comprehension:** (read the paragraph, answer the question that follows)

**Characteristics of Living Organisms :** All living organisms share certain characteristics that make them different from non-living things. Living organisms need food for energy, which is called nutrition. They respire to release energy from food. They grow and show movement, even if it is very slow in plants. Living things respond to changes in their surroundings, such as light and touch. They can reproduce to produce young ones and remove waste materials from their bodies through excretion. These features help us identify living things.

1. What is nutrition?
2. Why do living organisms respire?
3. Do plants show movement? Explain briefly.
4. What is meant by response to stimuli?
5. Name the characteristics of living organisms.

*Scholar*



## Multidisciplinary Project (MDP) (10marks)

### **Project Title: The Nutri-Detectives**

**Objective:** To understand what we eat, how our bodies' needs change, and how to read food labels to make healthier choices.

#### **Part 1: Junk Food Audit**

1. For three days, keep a "Snack Journal." Write down every packaged or fried food you eat.
2. Create a table to compare your lists.
3. Group the foods into three categories: High Sugar (candies/sodas), High Salt (chips/namkeen), and High Fat (burgers/samosas).
4. Discuss: "Which of these is the hardest to stop eating, and why?"

#### **Part 2: Label Investigation**

1. Take two empty food wrappers having nutritional label.
2. Locate the "Nutrition Facts" panel, cut and paste it.
3. Look for three specific things and write:
  - Serving Size: Is the whole packet one serving, or more?
  - Sugar Content: Check how many grams of sugar are in one serving (4g = 1 teaspoon).
  - Ingredients List: write the ingredients used. Remember that ingredients are listed from highest to lowest quantity. If sugar or oil is the first ingredient, it's a red flag! If it's a red flag, mark it with red.
4. Rank your wrappers from "Healthiest" to "Least Healthy."

#### **Part 3: The "Budget Balanced Plate"**

Design a 1-day meal plan for a 12-year-old using only items found at a local market for a low cost. The Rule of Thumbs:

Half the plate: Vegetables/Fruits (e.g., Spinach, Papaya).

One-quarter: Proteins (e.g., Dal, Eggs, Chana).

One-quarter: Energy foods (e.g., Roti, Rice, Dalia).

- One single file within 10 pages.
- Hard bound file to be used.
- Include cover page, acknowledgement, index, introduction, body, bibliography.

## क्षा प्र संस्कृत ग्रंथकार्यः

प्रश्न संख्या 1, 2, और 03

2. परियोजना कार्य -

कक्षायाः शिक्षिकाणां शिक्षकाणां च पूर्ण नामाणि  
लिखन्तु। अन्यथा

③

3. वृत्तजनानां मित्राणां वा साहाय्येन पञ्चका (15) गृह  
वस्तुनां लिखन्तु

4. द्वितीयः पाठः प्रश्न संख्या - 1, और 2

M. D. P. ~~असंस्कृत~~ (असंस्कृत) इति विषये  
संस्कृती लिखत।

अ/०

KENDRIYA VIDYALAYA GUMLA  
SUMMER HOLIDAY HOMEWORK-2026  
CLASS-VII    SUBJECT SCIENCE

(A) Create a one page mind map/concept map on the chapter- Exploring Substances-Acid, Base and Neutral. (5marks)

(B) Multiple Choice Questions(MCQs)(1marks each)

1. Phenolphthalein is a synthetic indicator and its colours in acidic and basic solutions respectively are

- (a) red and blue
- (b) blue and red
- (c) pink and colourless
- (d) colourless and pink

2. Which of the following is the Latin word that acid is derived from?

- a) Ace
- b) Acere
- c) Acre
- d) None of the above

3. Which of the following is not an indicator that occurs naturally?

- a) Gudhal
- b) Turmeric
- c) Litmus
- d) Phenolphthalein

4. Which one of the following fruits contains ascorbic acid?

- a) Spinach
- b) Grapes
- c) Unripe mangoes
- d) Amla

5. How will the addition of turmeric affect the colour of lime water?

- a) The solution becomes blue in colour
- b) The solution becomes red in colour
- c) The solution becomes yellow in colour
- d) The solution becomes pink in colour

6. Which of the following is the outcome of a neutralisation reaction?

- a) A solution
- b) A salt
- c) A mixture
- d) A acid and base mixture

7. Which of the following chemicals is present in the calamine solution?

- a) Zinc hydroxide

*Shalini*

**Write the following question answer in your homework copy-**

\* Complete the notes and question answers of chapter 1.

\* Write these question answers in your HW Copy.

1. Write some characteristics of The Himalayas?
2. What are the main features of the cold desert Ladakh?
3. Write the main rivers of India?
4. Why Ganga plain is so fertile?
5. Why is India called a subcontinent?
6. Name any two important physical features of India.
7. What is the importance of the Himalayas to India?
8. What is a peninsula? Why is India called one
9. Write any three differences between the Western and Eastern Ghats.
10. Mention three uses of rivers in India.
11. What are the main island groups of India?
12. Describe the major physical divisions of India.
14. Write five facts about the Deccan Plateau.
- 15, What role do mountains play in shaping India's geography?

**ART INTEGRATED PROJECT and MAP WORK**

- Prepare in stick file-
- Locate and labile the different physical features of India.
- Collect and paste the pictures of animals and birds found in the desert areas.
- Locate and label the different rivers of India on the outline map of India.

*Kamla Nay*

# SUMMER HOLIDAY HOMEWORK

## KENDRIYA VIDYALAYA GUMLA

### ARTIFICIAL INTELLIGENCE (AI)

Class VII

#### 1. AI in Daily Life

Prepare a chart or scrapbook on:

“Uses of AI in Everyday Life”

Include pictures and short descriptions.

#### 2. Research Activity

Write short notes on:

- Chatbots
- Smart Cars
- Facial Recognition
- Virtual Assistants

#### 3. Practical Activity

Use any AI tool/app (with parents' guidance) and write:

- Name of the app
- What it does
- What you learned from it

#### 4. Poster Making

Make a poster on:

“Advantages and Disadvantages of AI”

#### 5. Cyber Awareness

Write:

- 5 advantages of internet
  - 5 precautions while using social media
- 

Rishant Kumar (C.I.)  
26/05/2026

# HOLIDAY HOMEWORK

Class VII – Mathematics

Chapter: Large Numbers Around Us

## General Instructions:

- Complete the work neatly in your Mathematics notebook.
- Show all necessary steps clearly.
- Revise the chapter before attempting the questions.
- Use real-life examples wherever required.
- Submit the work on time.

## Section A: Basic Practice

Q1. Write the following numbers in words (Indian System):

(a) 7,45,32,109

(b) 90,08,07,005

(c) 5,00,00,000

Q2. Write the following in numerals:

(a) Eight crore fifty lakh six thousand twelve

(b) Nine crore nine lakh nine hundred nine

(c) Three crore two lakh ten

Q3. Insert commas correctly (Indian and International Systems):

(a) 45678932

(b) 987654321

(c) 1234567890

## Section B: Conceptual Understanding

Q4. Compare using  $>$ ,  $<$  or  $=$ :

(a) 45,67,890 \_\_\_\_ 45,76,890

(b) 9,00,00,000 \_\_\_\_ 8,99,99,999

Q5. Arrange in ascending order:

7,89,54,321 ; 7,98,45,321 ; 7,85,94,321

Q6. Find the place value of digit 7:

(a) 3,47,89,000

(b) 7,08,65,432

## Section C: Competency-Based Questions

Q7. Real-Life Application

India's population is approximately 1,42,00,00,000.

(a) Write in words

(b) Express in International System

(c) Convert into crores

Q8. Data Interpretation

| Year | Production  |
|------|-------------|
| 2022 | 5,67,89,000 |
| 2023 | 6,45,78,000 |
| 2024 | 7,12,34,000 |

(a) Which year had the highest production?

(b) Find the difference between highest and lowest production

(c) Arrange in descending order

Q9. Critical Thinking

Ravi says, "9,99,99,999 is almost equal to 10,00,00,000."

(a) Do you agree? Give reason

(b) Find the exact difference

#### Q10. Estimation Skill

Round off to nearest lakh:

(a) 7.45.67.890

(b) 3.21.89.456

#### Q11. Problem Solving

Population increased from 45,67,890 to 52,34,210.

(a) Find the increase

(b) Write both numbers in words

### Section D: Activity-Based Learning

#### Q12. Research Activity

Find any three large numbers from real life (e.g., population, distance, project cost).

Write each in:

- Numerals
- Words (Indian System)

#### Q13. Creative Activity

Prepare a chart showing:

- Place value chart up to crore
- One example with place value breakdown

#### Bonus Challenge

Q14. Form the largest and smallest numbers using digits: 5, 8, 3, 1, 9, 7 (each used once).

#### Submission:

Submit neatly completed work on the first day after vacation. Attach the chart separately.

21: 476

पुस्तकिका - ५१, ३१५५

Hand: 916, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

CS1140901, 21623041901

ॐ नमो भगवते वासुदेवाय  
 श्रीकृष्ण प्रसादात्  
 श्रीगुरुभ्यो नमः श्रीप्रसादात्  
 श्रीगुरुभ्यो नमः श्रीप्रसादात्

~~ॐ नमो भगवते वासुदेवाय~~  
 ॐ नमो भगवते वासुदेवाय ॥

मध्य - उत्तराखण्ड, झीम दिवस, सिरगावेलिया

6/2/2

KENDRIYA VIDYALAYA GUMLA  
SUMMER HOLIDAY HOMEWORK-2026  
CLASS-VII SUBJECT SCIENCE

(A) Create a one page mind map/concept map on the chapter- Exploring Substances- Acid, Base and Neutral. (5marks)

(B) Multiple Choice Questions(MCQs)(1marks each)

1. Phenolphthalein is a synthetic indicator and its colours in acidic and basic solutions respectively are
  - (a) red and blue
  - (b) blue and red
  - (c) pink and colourless
  - (d) colourless and pink
2. Which of the following is the Latin word that acid is derived from?
  - a) Ace
  - b) Acere
  - c) Acre
  - d) None of the above
3. Which of the following is not an indicator that occurs naturally?
  - a) Gudhal
  - b) Turmeric
  - c) Litmus
  - d) Phenolphthalein
4. Which one of the following fruits contains ascorbic acid?
  - a) Spinach
  - b) Grapes
  - c) Unripe mangoes
  - d) Amla
5. How will the addition of turmeric affect the colour of lime water?
  - a) The solution becomes blue in colour
  - b) The solution becomes red in colour
  - c) The solution becomes yellow in colour
  - d) The solution becomes pink in colour
6. Which of the following is the outcome of a neutralisation reaction?
  - a) A solution
  - b) A salt
  - c) A mixture
  - d) A acid and base mixture
7. Which of the following chemicals is present in the calamine solution?
  - a) Zinc hydroxide

- b) Zinc carbonate
- c) Zinc oxide
- d) Zinc sulphate

8.

Neutralisation reaction is a

- (a) physical and reversible change
- (b) physical change that cannot be reversed
- (c) chemical and reversible change
- (d) chemical change that cannot be reversed

(C) True/False: (2marks)

- (i) Nitric acid turns red litmus blue.
- (ii) Sodium hydroxide turns blue litmus red.
- (iii) Sodium hydroxide and hydrochloric acid neutralize each other and form salt and water.
- (iv) In the neutralization reaction a new substance is formed. This is called salt.

(D) Short Answer Questions (2marks each)

1. What are the differences between acids and bases?
2. Describe the process of neutralisation with the help of an example.
3. Which acid is present in the stomach? What are antacids, why do we take them?

(E) MDP: 10marks

1. Project on ancient Indian metallurgical knowledge. Relate it with tribal history and their metallurgical knowledge.
2. If you were the Head of Gumla District, how would you plan the management of minerals, energy, human resources, land, and water for sustainable development? Identify the current problems and explain your strategy to solve them.

# ग्रीष्मकालीन अवकाश गृहकार्य 2026

विषय - हिन्दी  
कक्षा - 8 वीं

1. कक्षा में पढ़ाए गए पाठों की पुनरावृत्ति करें।
2. किन्हीं तीन विषयों पर लेख (अनुच्छेद) लिखें -  
(क) अनुशासन का महत्व  
(ख) समय का सदुपयोग  
(ग) मोबाइल का उपयोग  
(घ) परिश्रम का महत्त्व
3. स्वैच्छिक विषयों पर दो औपचारिक और दो अनौपचारिक पत्र लिखें।
4. 'स्वदेश' कविता को साफ व सुंदर अक्षरों में लिखकर उसमें प्रयुक्त कठिन शब्दों को छाँटकर उसके अर्थ लिखें।
5. स्वदेश कविता में प्रयुक्त निम्नलिखित शब्दों से वाक्य निर्मित करें -  
उदाहरण- पत्थर - उसका दिल पत्थर जैसा कठोर है।  
(क) स्वदेश-  
(ख) साहस -  
(ग) संसार-  
(घ) निश्चित-  
(ङ) हृदय-  
(च) मिट्टी-

6. आप अपने दैनिक जीवन में देशप्रेम कैसे प्रदर्शित कर सकते हैं? उदाहरण सहित स्पष्ट करें।

7. 'प्रदूषण की समस्या' विषय पर बहविषयी परियोजना कार्य पूर्ण करें, जिसमें उनके कारण और रोकथाम के उपायों को भी स्पष्ट करें। (A4 size file में)

दिवा ज्योति

KENDRIYA VIDYALAYA GUMLA  
SUMMER HOLIDAY HOMEWORK-2026  
CLASS-VIII SUBJECT SCIENCE

**Multiple Choice Questions (MCQs)**

- Q1. Who first used the term "cell" after observing thin slices of cork?  
a) Antonie van Leeuwenhoek. b) Robert Hooke c) Louis Pasteur d) Ananda Mohan Chakrabarty
- Q2. Which tool allows us to view objects too small to be seen with the naked eye?  
a) Telescope b) Periscope c) Microscope d) Binoculars
- Q3. A round-bottom flask filled with water can act as:  
a) A lens/magnifier b) A telescope c) A prism d) A mirror
- Q4. Which cell structure is present in plant cells but absent in animal cells?  
a) Nucleus b) Cell membrane c) Cell wall d) Cytoplasm
- Q5. Which statement is true about cheek cells?  
a) They are rectangular and have a cell wall. b) They have a large central vacuole.  
c) They contain chloroplasts. d) They are polygon-shaped and lack a cell wall.
6. What type of microorganism is yeast?  
(a) Algae (b) Protozoa (c) Bacteria (d) Fungi
7. Which gas is released during yeast fermentation that makes the dough rise?  
(a) Oxygen (b) Nitrogen (c) Carbon dioxide (d) Hydrogen
8. Which microorganism helps in curd formation?  
(a) Lactobacillus (b) Rhizobium (c) Spirulina (d) Mould
9. What is the function of Rhizobium?  
(a) Produces alcohol (b) Kills viruses (c) Traps nitrogen from the air (d) Forms algae
10. What is used in bread-making to make it soft and fluffy?  
(a) Sugar (b) Salt (c) Yeast (d) Vinegar

**Fill in the Blanks**

- Q1. The jelly-like substance inside a cell where life processes occur is the \_\_\_\_\_.  
Q2. The thin, flexible boundary of a cell that controls entry and exit is the \_\_\_\_\_.  
Q3. In onion peel cells, staining with \_\_\_\_\_ helps make the cells visible.  
Q4. Cheek cells are commonly stained with \_\_\_\_\_.  
Q5. The bacteria that fix nitrogen in legume root nodules are called \_\_\_\_\_.

**Match the Following**

| Column A        | Column B                             |
|-----------------|--------------------------------------|
| 1) Yeast        | a) Photosynthesis in plant cells     |
| 2) Robert Hooke | b) Fermentation and rising of dough  |
| 3) Rhizobium    | c) Nitrogen fixation in legume roots |
| 4) Methane      | d) Main component of biogas          |
| 5) Chloroplast  | e) Coined the term "cell"            |

# SUMMER HOLIDAY HOMEWORK

## KENDRIYA VIDYALAYA GUMLA

### ARTIFICIAL INTELLIGENCE (AI)

Class VIII

#### 1. Project Work

Prepare a project file on:  
“Artificial Intelligence in Education”

Include:

- Introduction
- Uses
- Advantages
- Challenges
- Conclusion
- Pictures

#### 2. AI Applications

Write short notes on any four:

- Machine Learning
- Robotics
- Natural Language Processing
- AI in Healthcare
- AI in Banking
- AI in Agriculture

#### 3. Interview Activity

Ask 3 family members:

“How is technology changing our lives?”  
Write their responses in brief.

#### 4. Presentation Activity

Create a PowerPoint presentation on:  
“Future of Artificial Intelligence”

Minimum 6 slides.

Take a printout or write neatly in notebook.

#### 5. Digital Citizenship

Write any 10 rules of responsible digital behavior.

→ 28/05/2026  
Sumar (CIC)

KENDRIYA VIDYALAYA GUMLA  
SUMMER HOLIDAY HOME WORK-2026  
CLASS-VIII-A SUBJECT ENGLISH

1. Write and relearn the word meaning of the chapters taught in the class.
2. You are Ratan / Ratna of class VIII-A. Your summer holiday commences in the first week of May-2026 and school reopens in the third week of June-2026. Write a notice informing students about it. Give all the necessary details in not more than 50 words.
3. Complete Multidisciplinary Project on Save Environment by writing -
  - i. An Essay
  - ii. Compose a poem
4. Write a paragraph on "Summer Holidays" in about 100 words.
5. fill in the blanks with correct form of the verb: -
  1. A good dictionary ..... a lot. (cost)
  2. Ten kilometers ..... a long distance to walk. (be)
  3. Sita ..... next to my house. (live)
  4. Bread and butter ..... a wholesome food. (be)
  5. One of these three boys ..... first in his class every year. (stand)

Subject Tr.   
05/05/26

**RATIONAL NUMBER****MULTIPLE CHOICE QUESTIONS**

1. An integer can be:  
A. Only Positive    B. Only Negative    C. Both positive and negative    D. None
2. A rational number can be represented in the form of:  
A.  $\frac{p}{q}$     B.  $pq$     C.  $p+q$     D.  $p-q$
3. The value of  $\frac{1}{2} \times \frac{3}{5}$  is equal to:  
A.  $\frac{1}{2}$     B.  $\frac{3}{10}$     C.  $\frac{3}{5}$     D.  $\frac{2}{5}$
4. The value of  $(\frac{1}{2}) \div (\frac{3}{5})$  is equal to:  
A.  $\frac{3}{10}$     B.  $\frac{3}{5}$     C.  $\frac{6}{5}$     D.  $\frac{5}{6}$
5. The value of  $\frac{1}{2} + \frac{1}{4}$  is equal to:  
A.  $\frac{3}{4}$     B.  $\frac{3}{2}$     C.  $\frac{2}{3}$     D. 1
6. The value of  $(\frac{5}{4}) - (\frac{8}{3})$  is:  
A.  $\frac{17}{12}$     B.  $-\frac{17}{12}$     C.  $\frac{12}{17}$     D.  $-\frac{12}{17}$
7. The associative property is applicable to:  
A. Addition and subtraction    B. Multiplication and division  
C. Addition and Multiplication    D. Subtraction and Division
8. The value of  $(-10/3) \times (-15/2) \times (17/19) \times 0$  is:  
A. 0    B. 22.66    C. 20    D. 35
9. The additive identity of rational numbers is:  
A. 0    B. 1    C. 2    D. -1
10. The multiplicative identity of rational numbers is:  
A. 0    B. 1    C. 2    D. -1
11. What is the sum of  $\frac{2}{3}$  and  $\frac{4}{9}$ ?  
A.  $\frac{6}{3}$     B.  $\frac{6}{9}$     C.  $\frac{10}{9}$     D.  $\frac{10}{3}$
12. What is the product of  $\frac{2}{9}$  and  $\frac{3}{4}$ ?  
A.  $\frac{1}{6}$     B.  $\frac{2}{3}$     C.  $\frac{1}{9}$     D.  $\frac{1}{4}$
13. What is the reciprocal of  $\frac{1}{9}$ ?  
A. 9    B. 0    C. 1    D. None of the above
14. What is the value of 100 divided by 0?  
A. 0    B. 100    C. 1    D. Undefined
15. Which of the following is commutative for rational numbers?  
A. Addition and subtraction    B. Addition and multiplication  
C. Multiplication and division    D. Subtraction and division
16. Division of rational numbers is associative.  
A. True    B. False
17. What is the value of  $\frac{3}{4} + \frac{5}{6} + \frac{2}{7}$ ?  
A.  $\frac{10}{84}$     B.  $\frac{134}{84}$     C.  $\frac{157}{84}$     D.  $\frac{167}{84}$

16/5/26

18. Find the additive inverse of  $11/7$ ?

- A.  $7/11$  B.  $-7/11$  C.  $11/7$  D.  $-11/7$

19. How many rational numbers are there in between  $\frac{3}{4}$  and  $1$ ?

- A. 0 B. 1 C. 2 D. Countless

20. What should be subtracted from  $-\frac{2}{3}$  to get  $-1$ ?

- A.  $\frac{1}{3}$  B.  $-\frac{1}{3}$  C.  $\frac{2}{3}$  D.  $-\frac{2}{3}$

### SHORT ANSWER TYPE QUESTIONS:

21. What are the multiplicative and additive identities of rational numbers?

22. Write the additive inverse of  $19/6$  and  $-\frac{2}{3}$

23. Write the multiplicative inverse of  $-13/19$  and  $-7$

24. Mention a rational number which has no reciprocal.

25. Mention any 4 rational numbers which are less than 5.

### LONG ANSWER TYPE QUESTIONS:

26. Mention the commutativity, associative and distributive properties of rational numbers. Also, check  $a \times b = b \times a$  and  $a + b = b + a$  for  $a = \frac{1}{2}$  and  $b = \frac{3}{4}$

27. Write any 5 rational numbers between  $-\frac{2}{5}$  and  $\frac{1}{2}$ .

28. If the product of any two rational numbers is 2 and one of them is  $\frac{1}{7}$ , find the other?

29. Represent  $-\frac{2}{11}$ ,  $-\frac{5}{11}$ , and  $-\frac{9}{11}$  on the number line.

30. Using appropriate properties, find:

(i)  $-\frac{2}{3} \times \frac{3}{5} + \frac{5}{2} - \frac{3}{5} \times \frac{1}{6}$

(ii)  $\frac{2}{5} \times (-\frac{3}{7}) - \frac{1}{6} \times \frac{3}{2} + \frac{1}{14} \times \frac{2}{5}$

## LINEAR EQUATIONS IN ONE VARIABLE

### MCQ

1. Which of the following is not a linear equation in one variable?

- A.  $33z+5=0$  B.  $33(x+y)=0$  C.  $33x+5=0$  D.  $33y+5=0$

2. The solution of  $2x-3=7$  is:

- A. 5 B. 7 C. 12 D. 11

3. The solution of  $2y+9=4$  is:

- A.  $9/2$  B.  $4/9$  C.  $-\frac{2}{5}$  D.  $-5/2$

4. The solution of  $y/5=10$  is:

- A. 15 B. 10 C. 50 D. 5

5. What should be added to  $-\frac{7}{3}$  to get  $\frac{3}{7}$ ?

- A.  $\frac{21}{58}$  B.  $\frac{58}{21}$  C.  $\frac{47}{21}$  D.  $\frac{50}{21}$

V. 1.10.16

the perimeter of the rectangle is 20cm. If the length of the rectangle is 6cm, then its breadth will be:

A. 4 cm B. 6 cm

C. 10 cm

D. 14 cm

7. The age of the father is three times the age of the son. If the age of the son is 15 years old, then the age of the father is:

A. 50 years

B. 55 years

C. 40 years

D. 45 years

8. The difference between two whole numbers is 66. The ratio of the two numbers is 2: 5. The two numbers are:

A. 60 and 6

B. 100 and 33

C. 110 and 44

D. 99 and 33

9. Three consecutive integers add up to 51. The integers are:

A. 16, 17, 18

B. 15, 16, 17

C. 17, 18, 19

D. 18, 19, 20

10. The solution for  $3m = 5m - (8/5)$  is:

A.  $8/5$

B.  $4/5$

C.  $5/4$

D.  $4/3$

11. The degree of  $x^2 - 5x + 2 = x^3$  is:

A. 3

B. 2

C. 1

D. 0

12. The degree of equation  $x^2 - 9 = 2x^2$  is:

A. 0

B. 1

C. 2

D. 3

13. What is the value of x if  $x + 9 = 12$ ?

A. 2

B. 3

C. 8

D. 6

14. If a number is divided by 8 it gives 6 as the value. Find the number.

A. 36

B. 42

C. 48

D. 56

15. Solve  $2x + 9 = 4$ .

A.  $X = 6$

B.  $X = -5/2$

C.  $X = -3/2$

D.  $X = -9/2$

16. Find the value of x if  $2x + 10 = 76$ .

A. 33

B. 7.6

C. 66

D. 32

17. The perimeter of a rectangle is 40 cm. If its width is 10 cm, then find the length.

A. 10

B. 20

C. 30

D. 40

18. If x is an even number, then the next even number is:

A.  $x+1$

B.  $x+2$

C.  $x+3$

D.  $x+4$

19. The difference between the two numbers is 30. If the bigger number is x, then what is the smaller number?

A.  $x - 30$

B.  $30 - x$

C.  $30x$

D. None of these

20. When a number is added to itself, it becomes 24. What is the number?

A. 2

B. 4

C. 12

D. 21

## EXTRA QUESTIONS SHORT ANSWER TYPE

21. The angles of a triangle are in the ratio 2 : 3 : 4. Find the angles of the triangle.

22. The sum of two numbers is 11 and their difference is 5. Find the numbers.

23. If the sum of two consecutive numbers is 11, find the numbers.

Hence, the required numbers are 5 and  $5 + 1 = 6$ .

24. The breadth of a rectangular garden is 23 of its length. If its perimeter is 40 m, find its dimensions.

25. The difference between two positive numbers is 40 and the ratio of these integers is 1 : 3. Find the integers.

26. The sum of a two-digit number and the number obtained by reversing its digits is 121. Find the number if its unit place digit is 5.

### HIGHER ORDER THINKING SKILLS (HOTS) QUESTIONS

27. If the length of the rectangle is increased by 40% and its breadth is decreased by 40%, what will be the percentage change in its perimeter?

28. A fruit seller buys some oranges at the rate of ₹ 5 per orange. He also buys an equal number of bananas at the rate of ₹ 2 per banana. He makes a profit of 20% on oranges and a profit of 15% on bananas. In the end, he sold all the fruits. If he earned a profit of ₹ 390, find the number of oranges.

### PROJECT

**Prepare a project on RATIONAL NUMBER.**

**Help Link is given below:-**

<https://www.youtube.com/watch?v=SqTSCVA0Rrs&t=93s>

<https://www.youtube.com/watch?v=n0enShK8zwI>

<https://www.youtube.com/watch?v=Hm99oI8uk98>

<https://www.youtube.com/watch?v=g4f0UhpWQic>

**NOTE:** This assignment focuses on **LINEAR EQUATIONS IN ONE VARIABLE** and **RATIONAL NUMBERS**.

Please complete this assignment in a thin copy and submit it in after summer break.

आकृति - 2.1.2.2.4 -

वादि - इकादश नपुंसकलिङ्ग  
माद्यु - उकादश नपुंसकलिङ्ग  
राजन् - नकादश पुलिङ्ग  
विद्वान् - एकदश पुलिङ्ग

उ. चानुपाणि -  
इष चान्त्वा स्वा, नौ और पितृ  
(लट्, ओट्, लृट्, लृक्, लृङ्, लृट्, लृङ्, लृट्, लृङ्)

परियोजना कार्यक्रम द्वितीय, पाठ - पृष्ठ संख्या (23)

पाठान् अधोलिखितानां विद्यापदमां प्रयोगकोशालं गत्वा  
तत्समन्नादि अन्नादि वाक्यानि रचयन् -  
(पाठान् निम्नलिखितान् विद्यापदों के प्रयोग द्वारा वाक्य रचना करिए)  
उत्पत्ति स्थानं दुर्गम् वाक्य रचना करिए  
६. विद्वान् विद्वत्तम, निवसति आह, वेत्स्यति, सम्भाष्य  
अवधीत, उपसर्पति, युज्यते

मञ्च - जलसंस्काराणि इति विषये संस्कारान्  
लिखन्तु ।

अ/व

## KENDRIYA VIDYALAYA GUMLA

### Summer Vacation Home Work (2026-27)

**Class -VIII. Sub-Social Science**

1. Which resource is renewable?  
☐ Coal ☐ Petroleum ☐ Wind ☐ Natural Gas
2. A machine used in factories is:  
☐ Natural ☐ Human-made ☐ Human ☐ Renewable
3. Which is an example of human resource?  
☐ Teacher ☐ River ☐ Soil ☐ Road

Short Answer

- Q4. Why should we conserve resources?
- Q5. Write two examples of sustainable practices:

Q6. What major change do you notice between the two maps?

Q7. Why were states reorganized in India?

Q8. States were reorganized mainly on the basis of:

☐ Religion ☐ Language ☐ Climate ☐ Population

Q9. First linguistic state formed:

☐ Gujarat ☐ Andhra Pradesh ☐ Punjab ☐ Bihar

Case-Based Question

A group of people demanded a separate state because they spoke a different language.

Q10. Why is language important in administration?

Q11. Name one benefit of forming states on linguistic basis:

Q12. Map Work Activity

Draw a political map of India and mark:

Andhra Pradesh

Maharashtra

Gujarat

Telangana

Q13. Creative Worksheet Section

Poster Activity

Draw and color a poster on:

**“Save Resources, Save Future”**

**Q14. If resources are not conserved, what problems will future generations face? (80–100 words)**

**Q15 The term “political map” refers to:**

- a) Rivers and mountains
- b) Boundaries of kingdoms and empires
- c) Climate zones
- d) Natural vegetation

**Q16. The Delhi Sultanate began in:**

- a) 1000 CE
- b) 1206 CE
- c) 1526 CE
- d) 1707 CE

**Q17. Which of the following was a South Indian empire?**

- a) Mughal Empire
- b) Vijayanagara Empire
- c) Delhi Sultanate
- d) Lodi Dynasty

**Q18. The First Battle of Panipat (1526) led to:**

- a) Rise of Delhi Sultanate
- b) Beginning of Mughal rule
- c) End of Vijayanagara
- d) British rule

**Q19. Which ruler is known for Sulh-i-kul (policy of tolerance)?**

- a) Babur

b) Akbar

c) Aurangzeb

d) Ibrahim Lodi

Q20. Continuous wars in medieval India led to:

a) Fixed boundaries

b) No change

c) Frequent changes in political map

d) End of kingdoms

Q21.Assertion (A): Political boundaries in medieval India kept changing.

Reason ®: Empires expanded and shrank due to wars.

a) Both A and R are true and R explains A

b) Both true but not explanation

c) A true, R false

d) A false, R true

Q22.Assertion (A): Regional kingdoms disappeared completely.

Reason ®: Central empires controlled all regions fully.

Q 23. Source 1

The Delhi Sultanate was established in 1206 and expanded its control over large parts of North India through military strength and administration.

. Answer the following:

a) When was the Delhi Sultanate established?

b) How did it expand its territory?

c) Name any one feature of its administration.

Q24.Source 2

The Vijayanagara Empire emerged in South India as a strong regional power. It developed a rich culture and resisted northern invasions.

a) Where was the Vijayanagara Empire located?

KENDRIYA VIDYALAYA GUMLA

SUMMER HOLIDAY HOME WORK (2026-27)

Class-6<sup>th</sup>

Subject- English

"Q.1 Write a paragraph on your childhood life .

Q.2 Write the story of “the Raven and the fox” in your own words.

Q.3 Write an application to your principal for three days leave.

Q.4 Choose the correct opposites from the options given below.

[ flew, wise, cried, dim, notice, humility, remembered]

1 glow \_\_\_\_\_

2 perched \_\_\_\_\_

3 ignore \_\_\_\_\_

4 foolish \_\_\_\_\_

5 forgot \_\_\_\_\_

6 forgot \_\_\_\_\_

7 pride \_\_\_\_\_

Q.5 Write the rhyming words from the poem. (the raven and the fox)

Q.6 Write 30 verbs and its three forms. (Ex. Run, Ran, Run)

Q.7 Practice cursive handwriting in a separate copy everyday one page with date.(30 days)

KENDRIYA VIDYALAYA GUMLA

SUMMER HOLIDAY HOME WORK (2026-27)

Class-7<sup>th</sup>

Subject- English

Q.1 Write a paragraph about the 'importance of water' in our life.

Q.2 You are Suresh residing at 14, Model Town, Jabalpur. Write a letter to your friend Mukesh requesting him to spend the summer vacation with you.

Q.3 Write an application to your principal requesting him to grant you leave for a week as you want to go to Nagpur to participate in the marriage ceremony of your elder brother.

Q.4 Write a story in about 150 words with the suitable title.

Q.5 Practice cursive handwriting in a separate copy everyday one page with date.(40 days)

Q.6 Write the forms of verb given below :

1. Buy -----
  2. Steal -----
  3. Forget -----
  4. Break -----
  5. Know -----
  6. Eat -----
  7. Bring -----
  8. Give -----
  9. Speak -----
  10. Write -----
- "