

LT. COL. MEHAR LITTLE ANGELS SR. SEC.SCHOOL
HOLIDAY HOMEWORK 2025-26
CLASS-VII

"What we learn with pleasure, we never forget."



Dear Students,

Summer vacations are one of the most awaited times of the year for every student. After months of hard work, study, and activities, these holidays bring a wonderful opportunity to take a break from the regular routine and rejuvenate the mind and body. Vacations are not just about rest; they also allow you to explore new interests, learn new skills, and spend precious moments with family and friends. Whether it is travelling to new places, picking up a new hobby, playing your favourite sport, or simply reading a good book under the shade of a tree, summer holidays provide the perfect chance to grow in ways beyond the classroom.

While relaxation is important, it is equally necessary to keep your mind active and engaged. Continuous learning, even during vacations, ensures that the knowledge and skills you have acquired over the year stay fresh and sharp. It also helps you develop important habits like time management, creativity, and self-discipline. With this aim, your teachers have prepared thoughtful holiday homework that combines academic practice with creative and enjoyable activities. These tasks are designed not only to reinforce what you have learned but also to encourage exploration, innovation, and independent thinking.

Use your time wisely, balance your fun and studies, and return after the holidays with new energy and enthusiasm!

Please complete the homework with sincerity and creativity. Remember, the goal is not just to finish the work, but to learn, explore, and enjoy the process.

Have a wonderful and safe summer!

Happy Holidays

ENGLISH

- 1) Make a collage of nature's poets with their works.
- 2) Read a book of your choice & write a book review including:
 - i) Title
 - ii) Main characters
 - iii) Plot
 - iv) Theme
- 3) Do one page of cursive writing for ten days in a thin holidays homework notebook.
- 4) Complete pages 175-183 in English Grammar book.
- 5) Poster Making Activity- Draw a poster on topic – 'Be kind to animals' OR 'Say no to plastic'.
- 6) Revise the syllabus covered in April & May months.

विषय – हिंदी

नीचे दिया गया कार्य आवधिक परीक्षा हेतु याद करें।

साहित्य – पाठ-1 है नमस्कार उनको, पाठ- 2 मेघालय: पूरब का स्कॉटलैंड तथा

व्याकरण – भाषा-विचार, पाठ- 17 विराम-चिह्न

1. मुहावरे और लोकोक्तियाँ – 1 से 20 तक व्याकरण पुस्तिका में लिखें व याद करें।
2. कोई पाँच चित्र चिपकाकर उसका वर्णन अपने शब्दों में करें।
3. कोई भी एक कविता और एक भाषण लिखें व प्रतियोगिता हेतु याद करें।
4. ग्रीष्मकालीन अवकाश में आप कहाँ घूमने गए वहाँ की एक तस्वीर चिपकाकर अपनी पूरी यात्रा का विवरण करें।
5. कोई तीन समाचार - पत्र लेख काटकर चिपकाएँ और उसमें से संज्ञा, सर्वनाम और क्रिया शब्द छांटकर लिखें।
6. समाचार-पत्र में से सुर्खियाँ काटकर एक सुंदर कोलाज बनाएँ।
7. **परियोजना – कार्य** – अंडमान में स्थित सेलुलर जेल के बारे में चित्र सहित बताएँ और किन्हीं पाँच स्वतंत्रता सेनानियों का नाम व परिचय लिखकर बताइए कि उन्हें यहाँ क्यों और कितने समय तक बंदी बनाकर रखा गया और उन्हें अंग्रेजों द्वारा क्या- क्या दंड दिए गए।

□□नोट : क्रम संख्या -2,3,4,5,6 कार्य स्क्रेप फ़ाइल में करना है।

□□क्रम संख्या – 7 कार्य फ़ाइल में करना है।

MATHEMATICS HOLIDAY HOMEWORK

Instructions:

- Make sure your work is neat, creative, and clearly explains the mathematical concepts used.
- Practice chapter 1 and 2 in a separate notebook.
- Do the given worksheets on A4 sheets and bring them in a separate folder.

Section A: Project Work (Choose any ONE)

1. Mathematics in Daily Life

Make a scrapbook or presentation showing how math is used in cooking, shopping, travel, or budgeting. Use real bills, pictures, and examples.

2. Design a Math Board Game

Create a fun board game involving arithmetic, puzzles, or logic. Include rules, dice, cards, and math challenges.

Section B: Activities

3. Recipe Fractions

Pick a recipe and adjust quantities for half or double the number of servings. Show all calculations.

4. Riddle & Puzzle Booklet

Create a booklet of 10 fun math riddles, brain teasers, or logic puzzles (include solutions too!).

Fractions Worksheet

Section A: Simplifying Fractions

Simplify the following fractions to their lowest terms:

1. $18/24$
2. $45/60$
3. $32/40$
4. $81/108$
5. $56/98$

Section B: Converting Fractions

Convert the following:

1. Mixed to Improper:

a) $3 \frac{1}{4} =$ _____

b) $5 \frac{2}{5} =$ _____

2. Improper to Mixed:

a) $\frac{17}{5} =$ _____

b) $\frac{23}{4} =$ _____

Section C: Operations on Fractions

Solve the following:

1. $\frac{3}{4} + \frac{2}{5} =$ _____

2. $\frac{5}{6} - \frac{1}{3} =$ _____

3. $\frac{59}{6} - \frac{35}{8} + \frac{31}{12} =$ _____

4. $\frac{2}{3} \times \frac{4}{7} =$ _____

5. $\frac{7}{8} \div \frac{2}{5} =$ _____

6. $\frac{7}{4} \times \frac{12}{5} \times \frac{25}{7} =$ _____

7. $\frac{50}{9}$ divided by $\frac{10}{3} =$ _____

8. find- (a) $\frac{12}{25}$ of a litre

(b) $\frac{5}{8}$ of a kg

Section D: Word Problems

1. A recipe needs $\frac{2}{3}$ cup of sugar. If you want to make 3 batches, how much sugar will you need in total?

2. Anita has $\frac{5}{6}$ of a chocolate bar. She gives $\frac{1}{2}$ of it to her friend. How much does she give away?

3. A tank is $\frac{3}{5}$ full. After using $\frac{1}{4}$ of the water, how much of the tank is still filled?

4. Arrange in ascending order: $\frac{5}{6}$, $\frac{2}{3}$, $\frac{3}{4}$

5. If a rope is cut into 8 equal parts and 3 parts are used, what fraction is left?

6. what should be added to $\frac{33}{5}$ to get 15?

WORKSHEET
CLASS :VII
MATHEMATICS

Chap. 1 : INTEGERS

MODULE -1/2

FILL IN THE BLANKS

1. _____ is the additive identity and _____ is the multiplicative identity of integers.
2. $(-1) \times$ even number of times = _____
3. $(-1) \times$ odd number of times = _____
4. $38 \div 0 =$ _____
5. $0 \div 11 =$ _____
6. $13 \div 1 +$ _____
7. $55 +$ _____ = 0
8. $(-31) +$ _____ = 0
9. $(-55) +$ _____ = -89
10. $(-33) +$ _____ = 79
11. $1000 +$ _____ = - 1000
12. $[(-7) + 9] + (\text{_____}) = 9 + [-7 + 4]$
13. $(-6) + 2 = 2 (\text{_____})$
14. $251 \div$ _____ = 1
15. $(-70) \div$ _____ = 5

7. Write down a pair of integers whose
- i) sum is - 6 ii) difference -8
 - iii) difference 3 iv) sum 0
8. Write a negative integer and a positive integer whose
- a) sum -9 b) difference -4 c) sum 0
9. Find the value of each of the following products
- i) $(-3) \times 15$ ii) $4 \times (-13)$ iii) $(-23) \times (-31)$
 - iv) $(-3) \times (-2) \times 7$ v) $2 \times (-3) \times (-1) \times (-5)$
 - vi) $(-259) \times (-51) \times 0$ vii) $(-8) \times 2 \times (-3) \times 5 \times (-1)$
 - viii) $(-2) \times (-4) \times 0 \times (-6) \times (-8)$ ix) $(-5) \times (-3) \times (-4) \times (-6) \times (-7)$
10. Verify the following
- i) $(-25) \times [(-7) + (-15)] = [(-25) \times (-7)] + [(-25) \times (-15)]$
 - ii) $(-7) \times [(-8) + 9] = [(-7) \times (-8)] + [(-7) \times 9]$
11. What will be the sign of the product $a \times b$ if
- i) a is the product of 5 positive integers and b is the product of 9 negative integers.
 - ii) a is the product of 6 positive integers and b is the product of 8 negative integers.
 - iii) a is positive and b is the product of 50 negative integers.
12. Find the value of a if product of a with -
- 1 is i) 200 ii) 0 iii) -300

13. Find the product using suitable

proportion :- a. $8759 \times 2391 - 2391 \times$

7759

b. $(-9785) \times 937 + (-215) \times 937$

c. $35 \times (-25) \times (-4) \times 10$

14. Find the value of each of the following

i) $39 \div (-13)$ ii) $(-729) \div 9$ iii) $(-144) \div (-12)$

iv) $(-20000) \div (-200)$ v) $20513 \div (-1)$

v) $(-49) \div [(-48) + (-1)]$ vii) $[84 \div (-12)] \div 7$

viii) $[(-10) + 5] \div [20 + (-15)]$

15. In a test (+5) marks are given for every correct answer and (-2) marks are given for every incorrect answer

i) Rohan answered all questions and scored 24 marks though he got 8 correct answers.

ii) Smitha answered all questions and scored (-15) marks though he got 3 correct answers. How many incorrect answer had they attempted?

16. In a class test containing 15 questions 4 marks are given for every correct answer and (-1) marks are given for every incorrect answer.

i) Gokul attempts all questions but only 6 of his answers are correct. What is his total score?

ii) Neena gets 12 of her answers correct. What will be her score?

विषय - संस्कृतम्

1. पंचतंत्रस्य कोऽपि एका कथा लिखन्तु (संस्कृतेन) चित्रं च लेपयन्तु । (A3 sheet)
2. पंच श्लोकाः अर्थसहितं लिखन्तु चित्रं च लेपयन्तु । (A4 sheet)
3. पठ् धातु पंचषु
लकारेषु , अस्मद्, युष्मद् शब्दरूपाणि स्मरन्तु , लिखन्तु च । (पुस्तिकायाम्)

SCIENCE

WORKSHEET 1: OBJECTIVE & SUBJECTIVE LEARNING

Nutrition in plants and animals

Section 1: Multiple Choice Questions

1. What is the process by which plants make their own food?
 - a) Respiration
 - b) Photosynthesis
 - c) Decomposition
 - d) Fermentation
2. Which of the following is an example of a autotrophic organism?
 - a) Human
 - b) Plant
 - c) Animal
 - d) Fungus
3. What is the role of chlorophyll in plants?
 - a) To absorb water
 - b) To absorb sunlight
 - c) To release oxygen
 - d) To release carbon dioxide
4. What is the process by which animals obtain their food?
 - a) Photosynthesis
 - b) Respiration
 - c) Ingestion
 - d) Decomposition
5. Which of the following is an example of a heterotrophic organism?
 - a) Plant
 - b) Animal
 - c) Bacteria
 - d) Algae

Section 2: Short Answer Questions

1. What is photosynthesis? Explain its importance.
2. Describe the different modes of nutrition in plants.
3. What is the difference between autotrophic and heterotrophic nutrition?

Section 3: Long Answer Questions

1. Explain the process of photosynthesis and its importance in the ecosystem.
2. Describe the different types of heterotrophic nutrition in animals.

Section 4: True or False

1. Plants can make their own food through respiration. (True/False)
2. Animals are autotrophic organisms. (True/False)
3. Chlorophyll is essential for photosynthesis. (True/False)

Section 5: Case study questions

Read the following passage and answer the questions that follow:

1. Photosynthesis in Plants

Photosynthesis is the process by which plants, algae, and some bacteria make their own food from sunlight, water, and carbon dioxide. It is essential for life on Earth as it provides energy and organic compounds for the food chain. Plants use chlorophyll to absorb light energy, which is then used to convert carbon dioxide and water into glucose and oxygen.

Questions:

1. What is photosynthesis?
2. What is the role of chlorophyll in photosynthesis?
3. Why is photosynthesis essential for life on Earth?

2. Nutrition in Animals

Animals are heterotrophic organisms that obtain their food by consuming other organisms or plants. There are several types of heterotrophic nutrition in animals, including herbivory (plant-eating), carnivory (meat-eating), omnivory (eating both plants and animals), and parasitism (obtaining food by living on or in another organism).

Questions:

1. What is heterotrophic nutrition?
2. What are the different types of heterotrophic nutrition in animals?
3. Give an example of each type of heterotrophic nutrition.

3. Importance of Balanced Diet

A balanced diet is essential for maintaining good health. It should include a variety of foods from all food groups, including fruits, vegetables, whole grains, lean proteins, and healthy fats. A balanced diet provides the body with the necessary nutrients, vitamins, and minerals to function properly.

Questions:

1. What is a balanced diet?
2. Why is a balanced diet important?
3. What are the different food groups that should be included in a balanced diet?

4. Plant-Based Nutrition

Plant-based nutrition refers to a diet that is based on plant foods, such as fruits, vegetables, whole grains, and legumes. Plant-based diets are often rich in fiber, vitamins, and minerals, and can help to reduce the risk of chronic diseases, such as heart disease and diabetes.

Questions:

1. What is plant-based nutrition?
2. What are the benefits of a plant-based diet?
3. Give examples of plant-based foods.

WORKSHEET 2: CREATIVE LEARNING

- a. ROLL NO.: 1-20: Incorporate fun facts or trivia about nutrition in plants and animals.
- b. ROLL NO.: 21 onwards: Use recycled materials or natural materials to create a unique and eco-friendly poster.

SOCIAL SCIENCE

I. Make a collage on the temples of South India built in the Medieval Period on an A-4 size sheet

II. On the political map of the World mark:-

(a) 7 continents (b) 5 oceans

On the political map of India mark:-

States & Union territories with capitals

III. Empowering women

Write the names of all the inspiring women who set the benchmark for all. Along with their pictures. Make on A3 sheet.

- i. First Indian Lady Prime Minister
- ii. First Indian Lady Governor
- iii. First Indian Lady Chief Minister
- iv. First Indian Lady Cabinet Minister
- v. First Indian Lady Judge
- vi. First Indian Lady Speaker of Lok Sabha
- vii. First India Miss Universe
- viii. First India Miss World
- ix. First Lady to be Indian Foreign Minister
- x. First Lady Election Commissioner of

IV. On a chart Plan and Prepare advertisements on

- i. Single use plastic
- ii Environmental Protection
- iii. Political Party Manifestos

V. Learn and revise all chapters done till now.

GK

Current Affairs Journal:

Maintain a diary and write about 10 important national and international events that happened during your summer break. Mention the date and event.

World Capitals and Currencies:

Prepare an A3 size chart of 20 countries with their capitals, flag and currencies. Use neat handwriting and colourful presentation.

COMPUTER

1. Learn Chapter-1 Back exercises(MCQ, Fill Ups, True/False etc.) Short Question Answers and Long Question Answers.

2. Make a Poster on A4 sheet according to your Roll No. .

- Roll no. (1-15) Types of Charts
- Roll no. (16-31) Different Web browser
- Roll No. 31 Onwards Social media app based on AI

3. Make a PowerPoint presentation according to your Roll No. .

- Roll no. (1-15) Virus and its types
- no. (16-31) App development and its uses.
- Roll No. 31 Onwards Types of machine learning.

ART

Draw a Still Life on A3 size sheet with pencil shading or pencil colour shading.

Make a Paper Bag by the use of waste paper.

Draw 2-3 Flowers by the use of colours. (Oil pastel , water colours and pencil colours)