



From the Team Leader

Dear Mahavirians and Children,

As the summer break approaches, it brings with it a wonderful opportunity to pause, refresh, explore, and grow. Holidays are not merely a break from school; they are a beautiful phase of learning beyond the classroom walls. While we all look forward to relaxation and family time, it is equally important that the continuum of learning is maintained in meaningful and joyful ways.

With this thought in mind, the Holiday Homework has been thoughtfully designed for each class. The purpose of this work is to keep the young minds engaged, curious, creative, and connected to learning in an enjoyable manner.

Dear children, summer vacations are a wonderful time to discover yourselves, strengthen your interests, and create memories that last forever. Learning happens in many forms — helping your parents with household chores, reading every day, pursuing a hobby, learning a new skill, exploring nature, spending quality time with family, and engaging in creative activities. Each experience teaches something valuable and contributes to your growth as confident, responsible, and independent learners.

Therefore, I encourage every Mahavirian to:

- Read at least two pages of any book every day.
- Pursue a hobby that brings happiness and creativity.
- Learn a new skill such as swimming, skating, dancing, painting, playing a musical instrument, gardening, cooking, or anything that excites and inspires you.
- Devote at least one hour daily to self-study so that the continuity of learning is maintained.

At the same time, spend quality time with your family, stay physically active, play outdoors, appreciate nature, and take care of your health and well-being.

I would also like to lovingly remind all children that the Holiday Homework should be done independently and sincerely. When you complete your work on your own, you develop confidence, responsibility, creativity, and problem-solving skills. Independent work nurtures originality of thought and helps you become a self-reliant learner — a quality that will benefit you throughout life.

Dear parents, your encouragement and gentle guidance during the holidays will go a long way in helping children develop healthy habits, time management, and a love for lifelong learning. More than perfection, we value participation, effort, and the joy of learning.

May this summer break be filled with happiness, learning, exploration, laughter, and beautiful experiences for all of you.

Wishing you a safe, productive, and joyful summer vacation!

Ruchika Sukhija
Principal

HOLIDAY HOMEWORK

GRADE : VI

ENGLISH

1) 3D Story Cube

Students will create a neatly decorated 3d Story Cube using chart paper, cardboard etc. based on the lessons from their MCB according to the topic allotted roll number wise.

The cube must include:

- Title and author
- The main characters
- Setting (where and when the story takes place)
- Plot summary (main event of the story)
- Favourite scene or quote
- Moral/Lesson learned

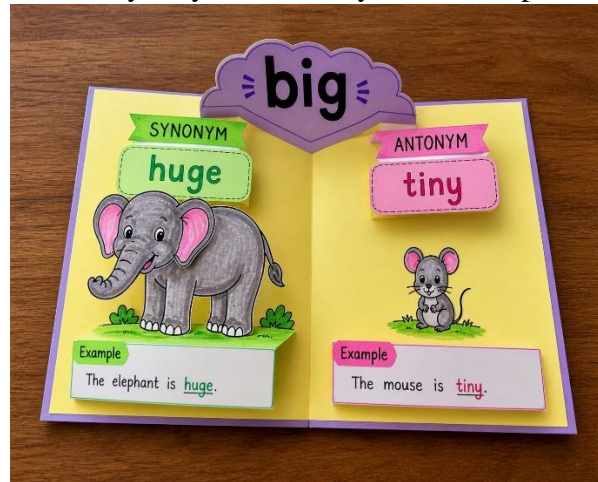
ROLL NO.	TOPICS
1-10	Chipko Takes Root
11-20	A Hero
21-30	Enemy or Friend
31-39	Sir Lawley's Ghost



(Sample Image)

2) Pop-up Book

Students will prepare a creative Pop-up Book of Synonyms and Antonyms using A4 size colourful sheets. The book should include a cover page and 10 pages. Each page should include one word, its synonym, its antonym, an example and a related pop-up picture.



(Sample Image)

Reference links

<https://youtube.com/shorts/c-pq78cA0yA?si=a6u6xt2K5W037MaT>

<https://youtu.be/Tgeubei8qzM?si=y41JR4UbQpy9KqUY>

3) Diary Entry

Students will write any three diary entries from the topics given below in 80–100 words in their assignment notebook.

Diary Entry Idea
A healthy habit you followed during summer
Saving water at home
Helping birds/animals during summer
Sharing household work equally
Helping someone in need

4) Character Portrayal

Students will read any one book from the given list below and choose a character they liked the most and prepare a role play.

List of Books:

- The Blue Umbrella
- The Jungle Book
- Alice's Adventures in Wonderland
- Charlie and the Chocolate Factory
- Harry Potter and the Philosopher's Stone

HINDI

प्रिय छात्रों, ग्रीष्मावकाश आनंद, सीखने, रचनात्मकता और परिवार के साथ मधुर समय बिताने का अवसर है। इस अवकाश में आप खेलें, पढ़ें, नई बातें सीखें और अपने अनुभवों को शब्दों में व्यक्त करें। आपके लिए कुछ रोचक, ज्ञानवर्धक और रचनात्मक गतिविधियाँ दी जा रही हैं। इन्हें सुंदर लेख में पूर्ण करके विद्यालय खुलने पर अवश्य लाएँ। अभिभावकों से विनम्र अनुरोध है कि वे बच्चों को स्वाध्याय, पठन-पाठन, रचनात्मक गतिविधियों तथा पारिवारिक संवाद के लिए प्रेरित करें। कृपया बच्चों को अपने मार्गदर्शन में कार्य पूर्ण करने में सहयोग प्रदान करें।

1. क्या आपने कभी सोचा है कि लगातार बारिश के कारण किसानों की सारी फसल और मेहनत बर्बाद हो जाती है? देश के 'अन्नदाता' के इस आर्थिक नुकसान को महसूस करते हुए उनके लिए एक संदेश लिखिए।
2. हम अक्सर जीत को केवल प्रतियोगिताओं या परीक्षाओं में प्रथम आने से जोड़ते हैं। किंतु यदि आप किसी ज़रूरतमंद की सहायता के लिए अपनी प्रिय वस्तु या पुरस्कार का स्वेच्छा से त्याग कर दें, तो क्या इसे हार माना जाएगा या एक सच्ची मानवीय जीत? घर के सदस्यों से इस विषय पर चर्चा करते हुए अपने विचार लिखिए।
3. आज के समय में कई महिलाएँ घर का काम करने के साथ-साथ बाहर नौकरी भी करती हैं और दोनों जिम्मेदारियों को अच्छे से निभाती हैं। छुट्टियों में अपने आस-पड़ोस की ऐसी किसी कामकाजी महिला से बात कीजिए या उनका अवलोकन कीजिए। उनके रोज़मर्रा के काम, चुनौतियों और मेहनत को समझते हुए उनके जीवन से मिलने वाली प्रेरणा पर एक सरल और प्रभावशाली कहानी लिखिए।
4. अपने माता-पिता के साथ अपने घर के आस-पास के किसी ऐसे बड़े और पुराने पेड़ के पास जाइए, जिस पर पक्षियों के घोंसले हों या गिलहरियाँ रहती हों। उस पेड़ को बहुत ध्यान से देखिए और कल्पना कीजिए कि **एक दिन उस पेड़ को सड़क चौड़ी करने या एक बड़ी बिल्डिंग बनाने के लिए काट दिया जाएगा।** कुल्हाड़ी या आरी उस पेड़ पर चलेगी, तब उस पेड़ और उस पर रहने वाले पक्षियों को कैसा महसूस होगा? अपनी कल्पना के आधार पर लिखिए।
5. आज के समय में पेड़-पौधों और उनके उपयोग के बारे में जानना बहुत जरूरी है। इसलिए आप अपने आसपास या किसी पार्क के पेड़ों से अलग-अलग आकार (जैसे- गोल, लंबी, कटीली) की 5 पत्तियाँ इकट्ठा कीजिए। उन्हें अखबार या किसी भारी किताब के बीच दबाकर सुखाइए और फिर अपनी फाइल में चिपकाइए।

विशेष निर्देश : हर पत्ती के साथ निम्नलिखित जानकारी लिखिए-

- पेड़ का नाम।
- पत्ती का आकार।
- छूने पर उसकी बनावट कैसी है ?
- उसका एक उपयोग।
- उससे बनने वाली किसी एक औषधि का नाम।

MATHS

Holiday homework is divided into two parts:

Section A is based on project.

Section B contains practice questions to be done in practice register.

SECTION A

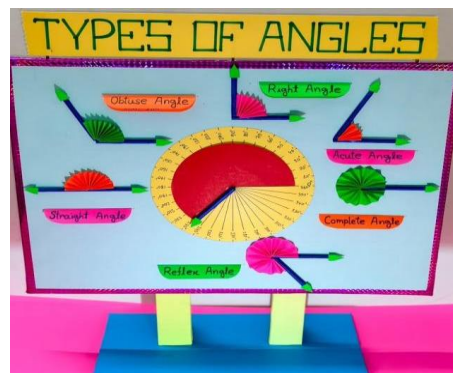
Project Work

Make a Mathematical game/ model (using ecofriendly material) as per following details:

Group 1 : Make a model on Fractions (like and unlike fractions, equivalent fraction etc.)



Group 2: Make a working model on Types of angles.



Group 3: Make a model using the concept of Tessellation

Group 4: Make a model on symmetry in architecture.

Group 5: Make a board game on Factors and Multiples/ Integers.

SECTION B

1. Complete the pattern:

- | | |
|-----------------------------|---------------------------|
| a) 3, 6, 9, 12, __, __ | b) 2, 4, 8, 16, __, __ |
| c) 25, 20, 15, 10, __, __ | d) 1, 4, 9, 16, __, __ |
| e) A, C, E, G, __, __ | f) 81, 27, 9, 3, __ |
| g) 1, 3, 6, 10, 15, __, __ | h) 2, 6, 12, 20, 30, __ |
| i) 9, 18, 36, 72, __ | j) 50, 45, 39, 32, 24, __ |
| k) 1, 3, 6, 10, 15, __, __, | l) 1, 1, 2, 3, 5, 8, __ |

2. Write all prime numbers between 1 and 50.

3. Check whether following numbers are co-prime numbers:

- | | |
|------------|-------------|
| i) 54, 24 | ii) 20, 125 |
| ii) 45, 46 | iv) 25, 45 |

4. Write the prime factorisation of: 72, 184, 290, 150

5. Find the digit sum of: 6789, 5048, 9999

6. Write whether the following are palindrome numbers:

23432, 17861, 12721

7. Apply the Collatz Conjecture for the given numbers: 35, 22, 19, 18.

8. Create a 4-digit number using digits 1, 2, 3, 4 and perform Kaprekar steps.

9. Find all the Factors of 25, 32, 18 and hence find HCF.

10. Check divisibility of 524630 and 214356 by 2, 3, 4, 5, 6, 9, 10?

(Show method)

11. Find highest common factor of the following numbers:

- | | |
|------------------|------------------|
| (i) 48, 56, 72 | (ii) 18, 36, 24 |
| (iii) 12, 18, 16 | (iv) 125, 25, 75 |

12. Competency based questions:

- a) Why are all numbers ending in 0 composite numbers (except 0)?

- b) Can a palindrome number be even? Give examples.**
- c) Explain why every prime number greater than 2 is odd. Create your own number trick and explain it.**
- d) I am a 3-digit palindrome number. My digit sum is 12. What are possible answers?**

13. Assertion–Reason Questions

- a) Both A and R are true and R is the correct explanation of A**
- b) Both A and R are true but R is not the correct explanation of A**
- c) A is true but R is false**
- d) A is false but R is true**

i) Assertion: 121 is a palindrome number.

Reason: It reads the same from left to right and right to left.

ii) Assertion: Every palindrome number is prime.

Reason: Some palindrome numbers are divisible by numbers other than 1 and themselves.

iii) Assertion: The pattern 2, 4, 8, 16 is a multiplying pattern.

Reason: Each term is multiplied by 2 to get the next term.

iv) Assertion: Every prime number has exactly two factors.

Reason: Prime numbers are divisible only by 1 and themselves.

v) Assertion: 1 is a prime number.

Reason: 1 has only one factor.

14. Find LCM of the following numbers by division method:

(i) 16, 24, 40

(ii) 40, 56, 60

Case based questions

Q1. Three ropes are 12 m, 18 m, and 24 m long. What is the greatest length of pieces into which all the ropes can be cut without any leftover?

Q2. A teacher has 24 red pens and 36 blue pens. She wants to pack them into boxes so that each box has the same number of pens of each color and no pen is left. What is the maximum number of boxes she can make?

Q3. A farmer has 63 apples and 81 oranges. He wants to divide them into identical baskets with the same number of apples and oranges in each basket. What is the maximum number of baskets?

Q4. A string of length 84 cm and another of 126 cm are cut into equal pieces. What is the maximum length of each piece?

SCIENCE

Dear Students,

“Science is not just a subject—it is a way of thinking, exploring, and discovering the world around us.” The holiday period offers a valuable opportunity to strengthen your understanding and nurture your curiosity

A) Wall Graffiti- My Plate Mystery

Malnutrition is the major global concern related to health. A balanced diet and physical exercise can help us cope up with these health issues.

You have to make the following on an A3 size Cartridge sheet -

- a) A poster on malnutrition and other health issues .
- b) A poster on a balanced diet and the physical activities to stay healthy

The poster will be according to roll no's given below-

Malnutrition, health issues, need of balanced diet and physical activity related to **India (Roll.No-1-10)**

Malnutrition, health issues, need of balanced diet and physical activity related to **South Korea(Roll No-11-20)**

Malnutrition, health issues, need of balanced diet and physical activity related to **China(Roll.No-21-30)**

Malnutrition, health issues, need of balanced diet and physical activity related to **Sri Lanka(Roll.No-31- onwards)**

B) Eco-Friendly Planter with Medicinal Plant

- Collect **waste or eco-friendly materials** (plastic bottles, old containers, coconut shells, tin cans, etc.).
- Design and decorate a **planter creatively**.
- Grow a **medicinal plant** (e.g., Tulsi, Aloe Vera) and ensure proper **watering and care**.
- Prepare a **short explanation** for display on a 15 cm x 20 cm cardboard.

C) SLOGAN WRITING

Van Mahotsav aims to combat climate change ,prevent soil erosion and increase nations green cover. Prepare an impactful slogan on the topic “Van Mahotsav” on an A4 size sheet and contribute in spreading environmental awareness.

SOCIAL SCIENCE

A Topic : Festivals of India and Sri Lanka

Research Work :

Study the various festivals celebrated in India and Sri Lanka. Explore their cultural, religious, and social importance using books, the internet, or other reliable sources.

Selection of Festivals:

Choose one festival from India and one festival from Sri Lanka that you find interesting.

Creative Task (Props/Artefacts):

Create two props or artefacts (one for each selected festival) that are commonly used during their celebration.

Examples may include:

Decorative items (diyas, lanterns, masks, etc.)

Traditional objects or symbols

Mini models or replicas

Eco-Friendly Requirement :

Use eco-friendly and recyclable materials such as paper, cardboard, clay, cloth, jute, dried leaves, or other natural/waste materials. Avoid plastic and thermocol as far as possible.

Follow up Presentation (1 Minute):

- Prepare a short presentation including:
- Name of the festivals and their countries
- When and how they are celebrated
- Their significance
- Description and relevance of the props/artefacts you created

Submission Guidelines:

- Bring your artefacts to school after the holidays
- Be ready to present confidently in class
- Ensure your work is neat, creative, and original

Focus on creativity, environmental responsibility, and understanding cultural diversity.

SANSKRIT

नोट – गृहकार्य **A-4 साइज शीट** पर सुंदर एवं स्वच्छ लेख में करें तथा **स्टिक फोल्डर** में सजाकर विद्यालय में प्रस्तुत करें।

1. **शब्दरूप लेखन** – अकारान्त नपुंसकलिंग शब्दों **फल, पुष्प और पुस्तक** के सभी विभक्ति रूप सुंदर ढंग से लिखिए।

2. धातुरूप लेखन – **वद्** (बोलना), **क्रीड्** (खेलना), **खेल्** (खेलना) एवं **गम्** (गच्छ - जाना) इन चार धातुओं के **लट्** तथा **लृट्** लकार में रूप बनाकर साफ अक्षरों में प्रस्तुत करें।

3. **परिवार के सदस्यों का परिचय** – अपने परिवार के सभी सदस्यों के नाम संस्कृत में लिखिए तथा प्रत्येक सदस्य का फोटो भी चिपकाइए।

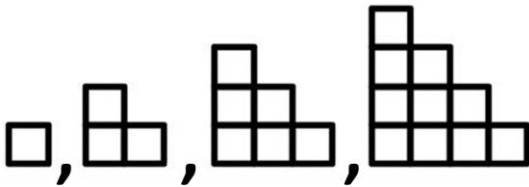
4. **कौशल बोध-अपनी पसंद के किन्हीं 10 पौधों या फूलों के नाम** हिंदी और संस्कृत में लिखकर एक सूची बनाइए। (संकेत: आप इनके चित्र भी बना सकते हैं या पत्तियाँ चिपका सकते हैं।)

5. **वैदिक घड़ी-सभी छात्र वैदिक परंपरा के तहत वैदिक घड़ी या सूर्य घड़ी, चंद्र घड़ी को संस्कृत में मॉडल बनाकर प्रस्तुत करेंगे।**

5. **वाक्य अनुवाद कार्य** – सरल हिंदी वाक्यों का संस्कृत अनुवाद करें।

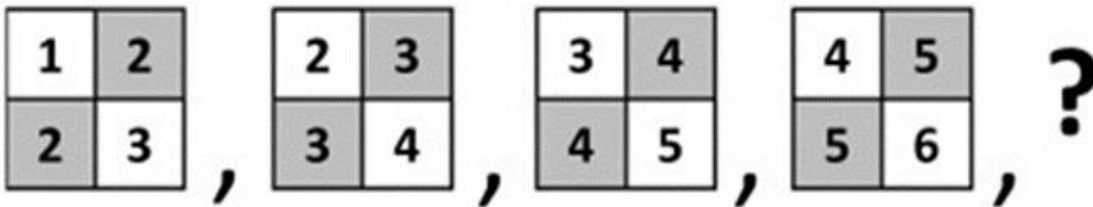
1. तोता बोलता है।
2. लड़का दौड़ता है।
3. फूल खिलता है।
4. मोर नाचता है।
5. पिताजी आते हैं।
6. बंदर कूदता है।
7. लड़की लिखती है।
8. खरगोश गाजर खाता है।
9. हाथी चलता है।
10. किसान खेत जाता है।

4. The first four terms of a block series are shown below.
If the pattern continues in the same manner, which term of the series will be the first to contain



more than 20 blocks?

- a) 5th term b) 6th term c) 7th term d) 8th term
5. What will come in place of "?" in the given series?



- a)

5	6
6	8

 b)

6	7
7	8

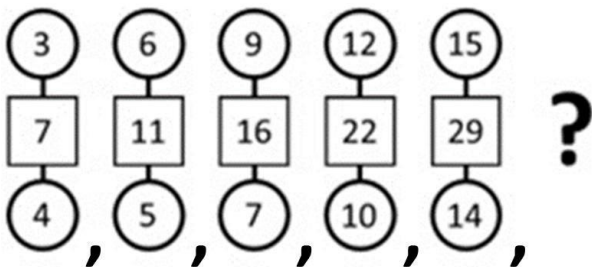
 c)

6	7
7	7

 d)

5	6
6	7

6. What will come in place of "?" in the given series?



- a)

17
35
18

 b)

18
36
19

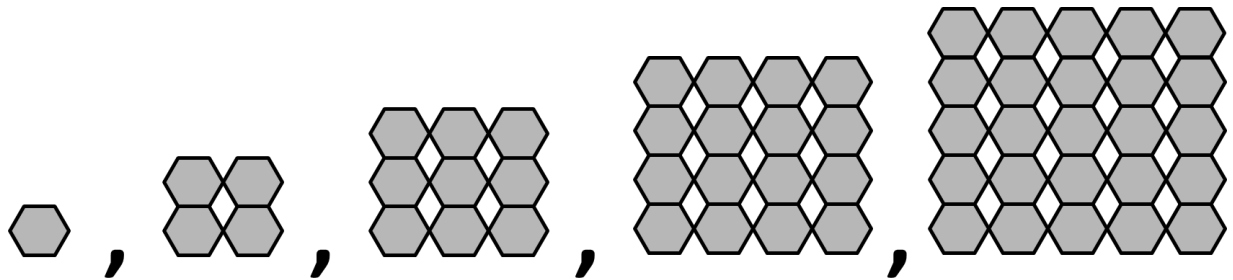
 c)

18
37
19

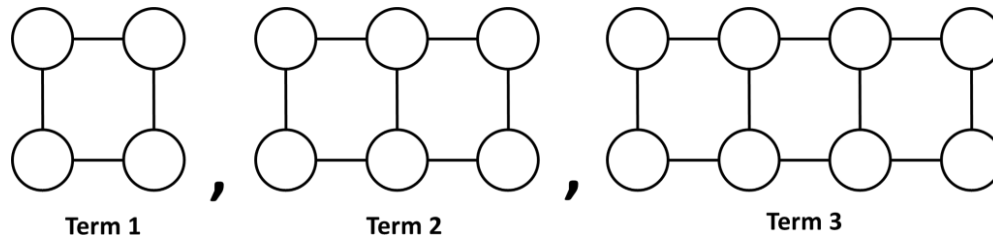
 d)

18
37
18

7. The first five terms of a series formed using grey hexagons and white diamonds are given below. If the same pattern continues, how many diamonds will be present in the term where the number of hexagons is 144?



- a) 100 b) 135 c) 121 d) 169
8. Given below are two sets of numbers, P and Q. Which number from Set P can be interchanged with a number from Set Q such that both new sets follow a particular series or pattern?
Set P: (18, 22, 24, 27, 30)
Set Q: (21, 24, 27, 31, 36)
- a) 18 b) 27 c) 22 d) 30
9. The first three terms of a series of circles are shown below. If the pattern continues in the same manner, how many circles will be there in term 91?



- a) 184 b) 180 c) 194 d) 204
10. A pyramid has to be formed by combining cubes. Every level will have two fewer cubes than the level below it. If a pyramid is formed using at most 30 cubes, what is the maximum number of levels it can have?
- a) 3 b) 4 c) 5 d) 6

ART

Students are required to create a painting on “**Indian Traditional Art Forms**”, (Warli/Madhubani/ Gond Art/Kalamkari) depicting cultural patterns and folk styles of India.

- Size: A3 (Cartridge Sheet / Ivory Sheet)
- Colour Medium: Any colour medium

This homework is mandatory for all students.