

# MAHAVIR

SENIOR MODEL SCHOOL



## *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 : VII

### SCIENCE

1. Make a model of the Organ System according to your roll no. on a cardboard size of 35 cm × 45 cm using eco-friendly material.

- Digestive System - Roll no. 1 to 10
- Respiratory System - Roll no. 11 to 20
- Excretory System - Roll no. 21 to 30
- Circulatory System - Roll no. 31 to 40

2. You have to make the following props related to the super Grain-

a) A headgear bearing the name of super Grain

b) Write the health benefits of Super Grain on A3 size sheet in beautiful handwriting.

c) Make two circular cardboards with a diameter of 20 cm with type of climate written on one and nutritive value of the Super Grain written on the second. It should have elastic on the back so that you can fix it on your palm.

- Super Grains in India ( Roll. No.- 1-10)
- Super Grains in South Korea (Roll .No. -11-20)
- Super Grains in China (Roll. No. -21-30)
- Super Grains in Sri Lanka (Roll. No.-31-40)

### **3. Weather Project Report**

Record the following parameters about weather of Delhi from the Newspaper on a ruled A4 size sheet -

Temperature

Cloud type

Wind speed

Percentage of Humidity

Each day for one week during holidays.

Make a bar graph sheet showing all the above parameters. Keep it in a stick folder.

# ENGLISH

*"Learning never stops; it simply changes its classroom during the holidays."*

Dear Students,

Summer break is a wonderful time to explore your creativity, strengthen your language skills, and learn beyond textbooks. Complete the following tasks thoughtfully and neatly.

## **1. Newspaper Making Activity**

*"Journalism is the first draft of history."*

Students will design a creative newspaper based on school events.

- Title your newspaper creatively (e.g., MSMS Chronicle, MSMS Express, Campus Chronicle, MSMS Times)
- Include:
  - School events (April–June)
  - Competitions and assemblies
  - Class activities, Inauguration, Accolades
- Add pictures and captions (refer to school's Instagram/Facebook page/Class Whatsapp Group)
- Write short articles, headlines, and reports
- Make it colorful, informative, and well-organized

## **2. Tenses Spin Wheel**

*"Grammar is the foundation on which great writing stands."*

- Prepare a working model (Spin Wheel) on Tenses
- Follow the reference video shared- [https://youtu.be/xIIGF\\_TWNAc?si=BSLEDn8OG6\\_1Iloq](https://youtu.be/xIIGF_TWNAc?si=BSLEDn8OG6_1Iloq)
- The wheel should clearly show:
  - Types of tenses
  - Examples for each
- Ensure it is neat, creative, and functional

## **3. Poetry Recitation Video**

*"Poetry is when emotion finds its voice."*

- Write your own poem (original composition)
- Record a video in school uniform
- Before reciting, clearly mention:
  1. Your Name

2. Class & Section
3. Title of the poem
  - Recite confidently with expression
  - Convert your video into a QR code (using any reliable QR code generator)
  - Paste/attach the QR code neatly on your A4 sheet

#### 4. Story Narration

Narrate any ONE story from Arabian Nights in your own words. Choose from the following:

- A. Aladdin and the Magic Lamp
- B. Ali Baba and the Forty Thieves
- C. Sinbad the Sailor

#### Instructions:

- Write the story in 150–200 words
- Use simple and clear language
- Include a moral or lesson at the end
- Be ready to present it orally in class

#### 5. Main Course Book (Hello English) Exercises

*“Practice makes knowledge permanent.”*

Read the following chapters from ‘Hello English’ book carefully:

- The Sunrise
- Black Beauty
- By the Seaside

After reading, complete the following integrated task in your English Assignment Notebook:

#### **“Read - Imagine - Respond” Activity**

For each chapter, do the following:

##### **A. Visual Understanding (Draw & Label)**

Create a simple illustration of the most important scene from the chapter and add 2–3 labels or captions.

##### **B. Thinking Response (Short Writing)**

Answer in 4–6 lines:

- What is the main idea of the chapter?
- What did you like or find interesting?

##### **C. Language Focus (From the Text)**

Pick:

- 5 important words from the chapter
- Write their meanings OR use them in your own sentences.

#### **D. Personal Connection (Reflect)**

Write 3–4 lines: *“How does this chapter connect to real life or my imagination?”*

#### **General Instructions:**

- Read each chapter thoroughly before attempting the task
- Write neatly and present creatively
- Use colours, headings, and diagrams where needed
- Focus on understanding, not memorisation

## **SOCIAL STUDIES**

### **1. Project on “How the Land Became Sacred – A Journey of Beliefs and Traditions” (Individual work for all)**

#### **Project Title:**

**“How the Land Became Sacred – A Journey of Beliefs and Traditions”**

#### **Objectives:**

To understand how land becomes sacred over time

To explore the role of communities, beliefs, and traditions

To connect culture with environmental preservation

To develop creativity and observation skills

#### **Your mission:**

Make a short project that shows how a piece of land transforms into a sacred place.

☞ Present it as a story, journey, or transformation instead of just information.

#### **Sections to Include:**

- Introduction: What is sacred land? Why do people consider certain places holy?  
☞ Add a short story/opening scene
- Formation of Sacred Spaces (Transformation View): Role of forests, rivers, temples, Influence of traditions and beliefs  
☞ Show as a timeline or step-by-step journey
- Case Study (Real-Life Example): Any one sacred place in India, Why it is considered sacred?  
☞ Add a small description with illustration

- Importance of Sacred Land (Think & Connect): Cultural value, Environmental protection, social unity  
☞ Present using a mind map or diagram
- Conclusion (Reflection Corner): Why should sacred places be protected?  
☞ Add your personal thought (3–4 lines)
- Creative Additions (Compulsory): Hand-drawn map or diagram, Timeline strip (Then → Now), Nature-based decoration (leaves, soil, cloth)
- 🌿 **Eco-Friendly Instructions:** Use recycled paper, natural colours, cardboard  
Avoid plastic/thermocool

**Presentation:** A4 or scrapbook style, creative headings, neat writing, and relevant pictures/charts.

**Rubrics:** Content, Creativity, Presentation and Punctuality.

## 2. 3D MODEL Making (GROUP WORK): Let Your Ideas Take Shape!

(According to Roll No.)

### Group 1: Weekly Market

Roll Numbers 1 to 10

Include 3 sections:

- Create a **3D model of a weekly market (haat)**

Include:

- Temporary stalls (vegetables, fruits, clothes)
- Sellers sitting with goods
- Customers bargaining
- No permanent shops

Show:

- How goods come directly from farmers
- Simple price tags

### Group 2: Shops (Local Market)

Roll No.: 11 – 20

- Create a **3D model of permanent shops**

Include:

- Grocery shop / clothing shop
- Shopkeeper and customers
- Shelves with items
- Fixed prices

Show:

- Goods coming from wholesalers
- Organized buying and selling

### **Group 3: Shopping Mall**

**Roll No.: 21 – 30**

Create a **3D model of a shopping mall**

Include:

- Big building (can be multi-floor)
- Branded stores
- Escalator (can be drawn or crafted)
- Food court

Show:

- Modern shopping experience
- Variety of products under one roof

### **Group 4: Wholesale Market\***

**Roll No.: 31 – 40**

Create a 3D model of a wholesale market

Include:

- Big godowns/warehouses — large cardboard boxes with “Wholesale” sign
- Traders with huge sacks/bales of goods — cotton, grain, cloth bundles
- Retailers buying in bulk — show small shopkeepers loading goods in tempos
- No individual customers — only shop-to-shop sale

Show:

- Goods coming directly from factories/farms — add trucks from factories to godown
- Large quantity + lower price tags — write “₹500 per bale” “50 kg sack”
- Organized weighing machines — use cardboard, show bulk weighing

**Presentation (Very Important):**

Each group will explain:

- Their type of market
- How goods are sold there
- Journey of their chosen product

**Rubrics:** Content, Creativity, Presentation and Punctuality.

### **3. Individual Work:**

**Each child would make and bring:**

**Two Artefacts from China and two artefacts from Taiwan. Each Artefact should be made with creativity, innovation and relevance to any festival from China and Taiwan.**

(Example: Red Envelope, Qingming Kite, Sky Lantern, Paper Boat)

#### Holidays Homework Submission Guidelines:

- Last Date: 03.07.2026
- Label everything clearly with Name, Roll Number, and Topic
- All written work must be in your own handwriting—neat and expressive.
- Models should be light, durable, easy to carry and facilitate skill building.
- Take care of cleanliness, originality, and eco-friendly material use.

## हिंदी

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. यदि आपको “जल संरक्षण अभियान” का नेतृत्व करने का अवसर मिले, तो आप उसे रचनात्मक एवं प्रभावशाली बनाने के लिए कौन-कौन सी गतिविधियाँ आयोजित करेंगे? एक रूपरेखा तैयार कीजिए।
2. यदि आप डॉक्टर/स्वास्थ्य विशेषज्ञ होते, तो बच्चों को बीमार न होने के लिए कौन-कौन सी महत्वपूर्ण सलाह देते और आपको एक सप्ताह के लिए **स्वस्थ जीवन चुनौती** अपनानी हो, तो आप अपनी दिन-चर्या में क्या परिवर्तन करेंगे? विस्तार से बताएँ।
3. यदि आपके विद्यालय में **प्रकृति संरक्षण** अभियान चलाया जाए, तो आप पशु-पक्षी के संरक्षण हेतु कौन-कौन से कदम सुझाएँगे? एक योजना तैयार कीजिए।
4. जलवायु परिवर्तन के कारण वर्षा के स्वरूप में क्या परिवर्तन आ रहे हैं? इसका मानव जीवन और प्रकृति पर क्या प्रभाव पड़ता है और यदि आप वर्षा की एक बूँद होते, तो अपनी यात्रा और अनुभवों को किस प्रकार व्यक्त करते? इसे एक रचनात्मक लेख/कविता के रूप में प्रस्तुत कीजिए।
5. अपने नज़दीकी पौधशाला (नर्सरी) का भ्रमण करें या उसके बारे में जानकारी एकत्र करें। पाँच अलग-अलग पौधों की सूची पत्तियाँ एकत्र कर फाइल में चिपकाएँ और उनके नाम, विशेषताएँ व उपयोग संक्षेप में लिखिए।

**विशेष निर्देश:** जब आप प्लांट नर्सरी जाएं, तो वहाँ पौधों की देखभाल करने वाले माली या 'नर्सरी वाले भैया' से बात करें और उनसे ये 3 सवाल पूछकर उनके जवाब फाइल में लिखिए।

- पौधों को कीड़ों से बचाने के लिए आप क्या करते हैं?
- गर्मियों में पौधों को दिन में कितनी बार पानी देना चाहिए?
- नर्सरी में सबसे ज्यादा बिकने वाला पौधा कौन सा है?

## संस्कृतम्

प्रिय छात्रों आपकी छुटियाँ आनन्दमयी हो।

गृहकार्य को A-4 साइज शीट पर सुन्दर लेख में स्वच्छता करके स्टिक फोल्डर में तैयार करके छुटियों के बाद विद्यालय में प्रस्तुत करें।

1. शब्दरूप - कवि, मुनि, रवि इकारान्त पुल्लिङ्ग शब्दरूप लिखिए।
2. धातुरूप - अस्, कृ, नम्, पा/पिब् धातुओं के लट्, लृट्, लङ् लकार में रूप लिखिए।
3. अपठित गद्यांश- मणिका संस्कृत व्याकरण भाग-2 से पृष्ठ संख्या 11-12 पर प्रदत्त 3 अपठित गद्यांशों के प्रश्नोत्तर लिखिए।
4. चित्रवर्णन- मणिका संस्कृत व्याकरण भाग-2 से पृष्ठ संख्या 29 पर प्रदत्त 2 चित्रों पर आधारित 5-5 वाक्य संस्कृत में लिखें।
5. संस्कृत में अनुवाद करके लिखिए।

- |                                 |                           |                                   |
|---------------------------------|---------------------------|-----------------------------------|
| I. वह मेरा मित्र खेलता है।      | II. मैं पुस्तक पढता हूँ।  | III. वे सब श्लोक याद करते हैं।    |
| IV. तुम दोनों विद्यालय जाते हो। | V. हम सब गायक हैं।        | VI. तुम सब घर जाओगे।              |
| VII. हम दोनों सुलेख लिखते हैं।  | VIII. मेरा भाई खेलता है।  | IX. वह नाटक करेगा।                |
| X. मैंने एक कहानी पढी।          | XI. अभिमन्यु दूध पीता है। | XII. मछलियाँ तालाब में तैरती हैं। |
| XIII. लता और रमा घूमती हैं।     | XIV. अनन्या नृत्य करेगी।  | XV. वे दोनों फल खायेंगे।          |

## MATHEMATICS

**This Holidays H.W. has two Parts:**

- A. Practice worksheet to be done in Worksheet Registers.**
- B. Project work to be done according to roll number.**

### PART A ( Practice Worksheet)

#### Chapter: A TALE OF THREE INTERSECTING LINES

**Solve the following questions:**

- Q1. Which of the following cannot be the sides of a triangle?**  
(i) 4.5 cm, 3.5 cm, 6.4 cm

- (ii) 2.5 cm, 3.5 cm, 6.0 cm  
(iii) 2.5 cm, 4.2 cm, 8 cm

**Q2. For each of the following, give at least 5 possible values for the third length so there exists a triangle**

having these as side lengths (decimal values could also be chosen):

- (a) 4 and 10  
(b) 6 and 6

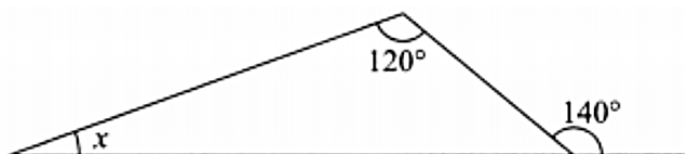
**Q3. Construct triangles for the following measurements:**

- (a) 4cm, 5cm and 3cm  
(b) 5 cm,  $40^\circ$ , and 8 cm  
(c)  $45^\circ$ , 5 cm, and  $60^\circ$   
(d) 7 cm,  $90^\circ$ , and 12 cm  
(e) 5cm,  $60^\circ$  and 7cm  
(f) 4.5cm,  $95^\circ$  and 5.5cm

**Q4. Find the third angle of a triangle when two of the angles are  $45^\circ$  and  $80^\circ$ .**

**Q5. Find the third angle of a triangle (using a parallel line) when two of the angles are  $24^\circ$  and  $84^\circ$ . Write the properties used.**

**Q6. Find the value of the unknown angle:**



**Q7. Take two angles of a triangle as  $60^\circ$  and  $70^\circ$ . Let the included side be 5cm.**

- i) Construct the triangle and measure the third angle.  
ii) Does this measure change if the base length is changed to some other value, say 7cm?  
Explain

**Q8. Examine whether the following pairs of angles can or cannot be a part of a triangle. Give reasons.**

- a)  $35^\circ$  and  $150^\circ$   
b)  $70^\circ$  and  $30^\circ$   
c)  $90^\circ$  and  $85^\circ$   
d)  $50^\circ$  and  $150^\circ$

Q9. Two angles of a triangle are equal, and the third angle is  $15^\circ$  less than each of these. Find all the angles of the triangle.

Q10. The angles of a triangle are in the ratio 4:3:2. Find the measure of each angle of the triangle.

Q11. Construct  $\triangle DEF$  with  $\angle D=75^\circ$ ,  $\angle E=45^\circ$  and  $DE=5\text{cm}$ . Also write the steps of construction.

### CASE BASED QUESTION

#### CASE 1

Neha is asked to construct  $\triangle XYZ$  where  $XY=7\text{cm}$ ,  $YZ=8\text{cm}$  and  $XZ=6\text{cm}$ . She starts by drawing base  $XY=7\text{cm}$ .

With centre X, she draws an arc of radius 6 cm. With centre Y, she draws another arc of radius 8 cm.

The arcs intersect at point Z. She joins XZ and YZ to complete the triangle.

After construction, she wants to check the type of triangle (scalene, isosceles, or equilateral) and

whether it is acute, right, or obtuse.

Based on the above case, answer the following questions:

Q1. Which property ensures that the arcs drawn from X and Y actually meet ?

- (a) Exterior angle property                      (b) Triangle inequality property  
(c) Pythagoras theorem                      (d) Symmetry property

Q2. Triangle XYZ has sides 6, 7, 8. Which type of triangle is it by sides ?

- (a) Isosceles                      (b) Equilateral                      (c) Right-angled                      (d) Scalene

Q3. By comparing  $6^2 + 7^2$  with  $8^2$ , decide the type of triangle by angles.

- (a) Acute                      (b) Right                      (c) Obtuse                      (d) Equilateral

Q4. Assertion (A) : The triangle constructed by Neha is an acute scalene triangle.

Reason (R): A triangle is acute if the sum squares of two shorter sides is greater than the square of the longest side.

- (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

**Q5. Assertion (A) :** If Neha had taken sides 6 cm, 7 cm, and 15 cm, she could still construct a triangle.

**Reason (R) :** Any three positive lengths always form a triangle.

- (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

**Q6. What is the sum of interior angles of  $\triangle XYZ$  ? Which property do you use?**

**CASE 2**

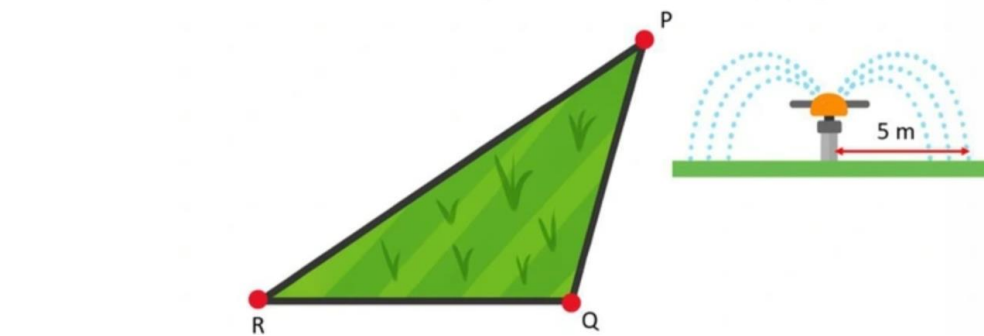
A civil engineer wants to design a triangular park with sides 8 m, 6 m, and 10 m. She wants to check:

- (a) Can this triangle be made ?
- (b) What type of triangle is it (scalene, isosceles, equilateral) ?
- (c) Is the biggest angle acute, right, or obtuse?

**CASE 3**

**Water sprinkler:** - In an agricultural field, three identical water sprinklers are installed at the point

P, Q and R as shown in the diagram. Each sprinkler has a spraying radius of 5 meters.



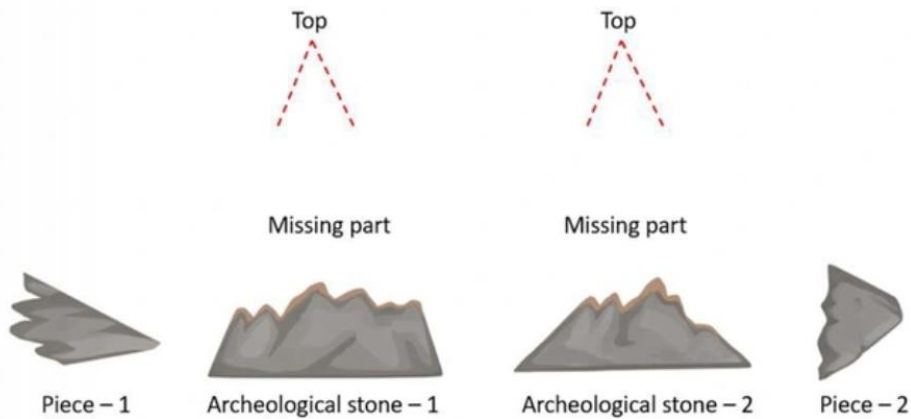
Q1. What is the sum of  $\angle P$ ,  $\angle Q$  and  $\angle R$  in the triangle?

Q2. What is the total area that all three sprinklers water the field covered by the sprinklers around the field?

**CASE 4**

**Ancient stones** - During an archaeological excavation, you discovered two broken pieces of stones,

as shown in the diagram below. Some parts of the stones are missing, and others are found, but based on your understanding, you need to determine the top part of each stone. Both stones are made of the same material.

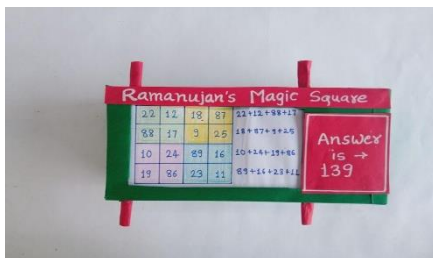


Q1. Find the corresponding top part of each archaeological stone.

Q2. If the measured angles of Archaeological Stone 1 are  $80^\circ$  and  $70^\circ$ , what will be the angle of the corresponding top piece?

**PART B ( Project Work)**

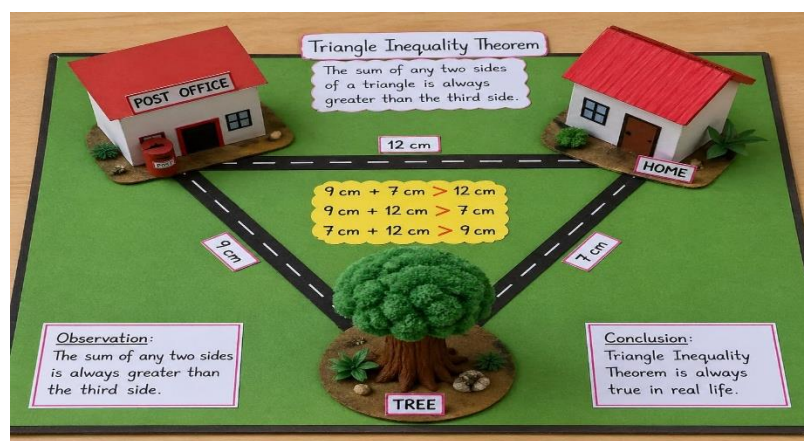
1. Group 1 (Roll number 1 to 8) : Create a 3x3 or 4x4 magic square (of your own birthdate).



1	14	15	4
12	7	6	9
8	11	10	5
13	2	3	16



- Show how: Sum of each row, column, diagonal is same
  - ◆ Make it interactive / movable (working model).
2. Group 2 (Roll number 9 to 17): Make a working model on transversal intersecting parallel lines and hence depicting properties of angles formed.
    - Show examples from real life i) Railway Tracks (ii) Roads
  3. Group 3 (Roll number 18 to 25): Make a working model to show why triangular shapes are more stable than rectangular model.
    - Explain the importance of triangle in bridge and buildings.
  4. Group 4 (Roll number 26 to 33): : Triangle Inequality Deduction: Sum of any two sides of triangle is greater than third side.
    - Create a model using an image of tree, house and a post office(3-D image) or any three objects.
    - Show direct and indirect path between any two objects.
    - Deduce why triangle rule works in real life situations.



5. Group 5(Roll number 34 to 40):: Make a working model to show classification of triangles on the basis of:
    - ❖ Angles
    - ❖ Sides
- ✓Project to be done by all the students:
- (a)Visit a nearby shop or workshop where fabric dyeing is done. Observe the process carefully and try to understand how the dye is prepared and applied to the fabric.

After your visit, prepare a brief report (on coloured A4 size paper) covering the following aspects:

- 1.How the dye is prepared
  - 2.The process of dyeing the fabric
  - 3.Materials and tools used in dyeing
  - 4.Any safety measures or precautions followed.
  - 5.Include pics to support your documentation.
- (b) Learn to solve 3x3 Rubik's Cube.

### ART

Dear Parents,

Students are required to create a painting on “Indian Classical Dance Forms or Musical Instruments”, highlighting movement, rhythm, and musical culture.

☑ Size: A3 (Cartridge Sheet / Ivory Sheet)

☑ Colour Medium: Any suitable colour medium

This homework is mandatory for all students.

### COMPUTER SCIENCE/ARTIFICIAL INTELLIGENCE

Project Work: Create a Simple AI Model

Model Making

Students will create any ONE AI-based working (Appreciated) or non-working model from the following:

AI Chatbot System (answers basic questions) (Roll No. 1 to 10)

Self-Driving Car Model (detects obstacles & moves safely) (Roll No. 11 to 20)

Face Recognition System (identifies known people) (Roll No. 21 to 30)

**AI Recommendation System (suggests products like online shopping apps)  
(Roll No. 31 to 40)**

**Instructions:**

Use simple materials like cardboard, paper, colours, etc.

The model should be neat, colourful, and properly labelled

Show the working of AI using Input → Process → Output (with arrows)

Students must be able to explain the concept clearly

**Worksheet:**

'X' is a 6-digit number formed using exactly three different digits. One of the digits appears once, another appears twice, and the third appears three times. When 2 lakhs are added to 'X', the resulting number 'Y' is still a 6-digit number. What is the highest possible value of 'Y'?

977889      b) 999999      c) 999988      d) 999887

What is the product of all the numbers on a telephone dial-pad?

123456      b) 32451      c) 362880      d) None of these

Sam forms two different 6-digit numbers, X and Y, using digits from 0 to 9 (without repetition within a number). Exactly two digits are common between X and Y.

The digit 9 appears in the same position in both numbers Y ends with 0, has only one even digit, and its digits are arranged in descending order 6 is present in X, and the number of even digits on its left is equal to the number of even digits on its right If X is the largest possible number, what is the difference between X and Y?

9310 b) 9210 c) 8420 d) 8310

If each of the rows follows the same theme, what will come in place of “?”

a) b) c) d)

What will come in place of “?”

0 b) 00 c) 000 d) 0000

Six number tokens are given. Rearrange them to form a 6-digit number such that:

The difference between the first and last digits is as small as possible

The hundreds digit is double the thousands digit

No consecutive digits appear next to each other

All given tokens must be used exactly once

How many different 6-digit numbers between 2 lakhs and 8 lakhs can be formed under these conditions?

1 b) 2 c) 3 d) More than 3

Two five-digits numbers are formed using different digits from 0 to 9. Both numbers have some digits missing, as shown below:

Number 1: \_ 1 \_ 9 \_

Number 2: \_ 4 \_ 6 \_

No two consecutive digits of the number series are present in the same number. What is the maximum possible difference of the numbers formed?

47525 b) 52663 c) 52429 d) 46733

A, B, C, D, and E each have a different number card among one hundred, one thousand, ten thousand, one lakh, and ten lakhs.

C has an even number of zeros in his number

A's number has 2 zeros less than C's number

D's number has 4 zeros more than A's number

The number of zeros in B is more than that of A but less than C Which number card does E have?

One thousand      b) Ten thousand      c) One lakh      d) Ten lakh

4 friends, Alex, Bob, Calvin and David have a different profession – Doctor, Lawyer, Cricketer, and Engineer and earn a different salary – ₹40,000, ₹50,000, ₹60,000 and ₹70,000 per year. (not necessarily in the same order)

The cricketer earns the highest

Alex earns more than Bob, while the doctor earns more than David, who is the engineer

Bob is the lawyer, and neither Bob nor David has an exact salary of ₹50,000

Which of these options shows the correct profession and salary of Calvin?

Cricketer - ₹70,000      b) Doctor - ₹60,000      c) Doctor - ₹50,000      d)  
Doctor - ₹40,000

The following are the clues to the 6-digit password of Nisha's laptop:

35 tens

31 thousands

25 ones

423 hundreds

14 ten thousands

What is Nisha's password?

a) 213625      b) 203675      c) 212375      d) 213675