

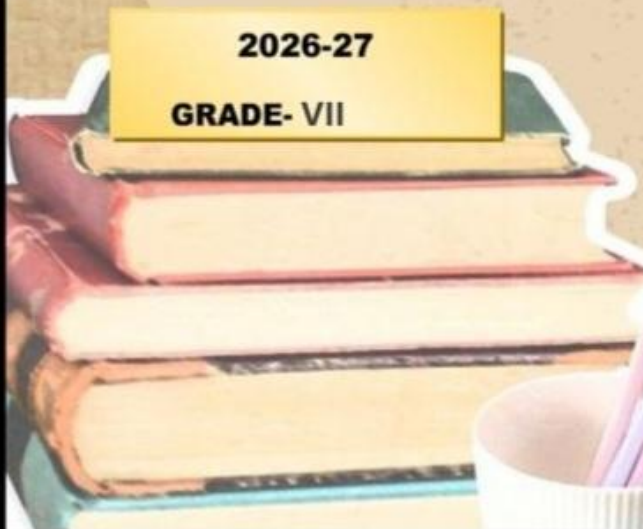


**FLORENCE**<sup>®</sup>  
**INTERNATIONAL SCHOOL**  
Senior Secondary Affiliated With C.B.S.E | ISO 21001: 2018 Certified

# Summer holiday homework

**2026-27**

**GRADE- VII**



## **Kindly Note-**

Dear Students,

Summer vacation is not only a time to relax but also an opportunity to learn new things, develop good habits, and use your time wisely. Kindly follow the given instructions carefully:

- Complete your holiday homework neatly and sincerely in your Holiday Homework Notebook provided by the school only.

- Maintain proper handwriting and presentation in all subjects.

- Arrange all work subject-wise in an organized manner.

\*Revise PT1 Syllabus.

\*Do the PT1 Worksheets in your subject-wise notebooks.

\*Submission date

### **Project /Models: -**

Homework and Project: - 8th July 2026

Wishing you a safe, happy, and fruitful summer vacation!

## **Project / Model Allotment**

### **Group – 1 (Roll Nos. 1 to 6)**

Subjects: Social Science and Hindi

### **Group – 2 (Roll Nos. 7 to 12)**

Subjects: Science and English

### **Group – 3 (Roll Nos. 13 to 18)**

Subjects: Math and Arts

### **Group – 4 (Roll Nos. 19 to 23)**

Subjects: Computer and Science

### **Note:**

Students are instructed to prepare their projects/models neatly and creatively using suitable materials. Proper labeling, presentation, and subject relevance will be considered during evaluation.

## **SOCIAL SCIENCE**

### **1. Disaster Management Comic Book**

Topic: Natural Disasters -Art Integration, Comic illustration, and storytelling.

Instructions:

1. Choose one disaster:

- Earthquake
- Flood

- Cyclone
- 2. Create a comic story with:
  - Characters
  - Safety measures
  - Rescue operations
- 3. Use speech bubbles and bright colors.
- 4. End with “Preparedness Tips.”

## 2. Traditional Dance Forms of India

Choose any 3 dance forms (Bharatanatyam, Kathak, Manipuri, Odissi, etc.)

Include:

- State
- Costume
- Music
- Short history
- Add drawings/pictures
- **Working models**

## 1. Pollution Free Future City

### Concept

A clean and eco-friendly city using renewable energy and green transport.

Main Features: Solar panels, Windmills, Electric vehicles, Rainwater harvesting, Waste segregation system, Vertical gardens, and green parks.

Materials Needed: Green chart paper, Mini windmills, LEDs, Bottle caps for bins, Straws and cardboard, Small solar panel (optional).

Working Mechanism: Windmills rotate using a fan, Solar lights glow using LEDs, Separate wet and dry waste bins demonstrate recycling

Creative Add-ons: Moving electric train, Air quality indicator, Water recycling plant

### For reference

<https://youtu.be/-jO0kVBLtdA?si=zpbeXyKG-1TP10eR>

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## 2. Climate Change Working Model

### Concept

Demonstrates causes and effects of global warming and climate change.

Main Features: Melting glaciers, Rising sea levels, Deforestation area, Factory pollution, Greenhouse effect chamber

Materials Needed: Cotton for clouds/smoke, Thermocol mountains, Blue cellophane paper for water, LEDs, Transparent plastic box, Paint, and clay

Working Mechanism: The yellow LED represents sunlight, the heat trapped inside a transparent box demonstrates the greenhouse effect and ice melts near the warm light, showing glacier melting

**For reference:** <https://youtu.be/QFAqRCyd-Vo?si=a13BB8JeShqJjxvx>

<https://youtu.be/QFAqRCyd-Vo?si=a13BB8JeShqJjxvx>

### Worksheets based on conceptual understanding

#### Integrated Social Science Worksheet

##### Warm-Up Activity

Q1. Decode the Clues!

Identify the correct term:

1. A fertile river valley important for farming and settlements.
2. A large, powerful kingdom in ancient India.
3. A system where people elect their leaders.
4. A dry sandy region in western India.
5. The ruler of a monarchy.

#### Integrated Knowledge Zone

Q2. Match the Following:

Column A	Column B
1. Magadha	a. Democracy
2. Himalayas	b. Protection from cold winds
3. India	c. Powerful Mahajan pada
4. Monarchy	d. Ruled by kings
5. Coastal Plains	e. Fishing occupation
6. Citizens' vote	f. Democratic feature

Q3. Read the Passage Carefully

The fertile plains near rivers helped many Jana padas grow into powerful Mahajan padas. Magadha became strong because of rich soil, iron resources, forests, and river transport. Today, governments also depend on natural resources and people's support to develop a country.

## Answer the Questions

1. Why were river valleys important in ancient India?
2. Name two resources that made Magadha powerful.
3. Which geographical feature supports farming the most?
4. How does a government help in the development of a country today?

## Creative Map & Thinking Activity

Q4. Imagine You Are an Ancient Traveler!

You are travelling from the Himalayas to Magadha.

Write:

- Two geographical features you may cross.
- One occupation of people you may observe.
- One challenge faced during travel.
- One reason why kingdoms near rivers became powerful.

Q5. Fill in the Blanks

1. There were \_\_\_\_\_ Mahajan padas in ancient India.
2. India is a \_\_\_\_\_ country.
3. The Thar region receives very little \_\_\_\_\_.
4. Taxes in ancient kingdoms were collected from \_\_\_\_\_ and traders.
5. Coastal regions are important for \_\_\_\_\_ activities.
6. A ruler with complete control leads a \_\_\_\_\_.

Q6. Role Play Challenge

Imagine a meeting between:

- A king of Magadha
- A modern democratic leader

Write any five dialogues showing differences between ancient and modern governments.

## CASE STUDY – 1

“The Flooded Village”

A village located near the Brahmaputra River faces floods every year. Houses get damaged, crops are destroyed, and schools remain closed for weeks. The government starts building raised shelters and provides relief materials.

Answer the Following Questions:

1. Which physical feature is connected to this problem?
2. Why are floods common in this region?
3. How did the government help the people?
4. Which type of government responds to citizens' needs?
5. Suggest one more solution to reduce flood damage.

## CASE STUDY – 2

### “The Voice of the People”

In a country, citizens elect leaders every five years. The government builds roads in mountain regions, helps farmers in plains, and provides rescue teams during cyclones in coastal areas.

### Answer the Questions

1. Which type of government is described above?
2. Why do different regions need different government support?
3. Name one problem faced in:
  - Mountain regions
  - Coastal regions
4. How is this government different from ancient monarchies?
5. Why is geographical diversity important for planning development?

## Art Integration Activity

Q7. Design a Creative Travel Brochure

Create a brochure titled:

### “Journey Through Ancient and Modern India”

Include:

- Mountains, plains, deserts, or coastal regions
- A Mahajan pada you would visit
- One democratic feature of modern India
- Drawings/symbols/maps

Use colors and creativity!

## HOTS (Higher Order Thinking Skills)

Q8. Think and Answer

1. How do geography and government together influence people’s lives?

Consider:

- Occupations
- Safety
- Trade
- Development

2. Why do you think Magadha emerged as the most powerful Mahajan pada?

Mention any four reasons

Q9. Situation-Based Question

A country allows citizens to vote freely, express opinions, and choose leaders every five years.

1. Which type of government is this?
2. Why is this government considered fair?

**DIRECTIONS:** Write the name for each capital city next to the country where it is located.

Name: \_\_\_\_\_

## World Capitals



Abuja	Dodoma	Moscow
Addis Ababa	Hanoi	Nay Pyi Taw
Ankara	Islamabad	New Delhi
Bangkok	Jakarta	Paris
Beijing	Kinshasa	Pretoria
Berlin	Kyiv	Rome
Bogota	London	Seoul
Brasilia	Madrid	Tehran
Cairo	Manila	Tokyo
Dhaka	Mexico City	Washington

	Bangladesh		Myanmar (Burma)
	Brazil		Nigeria
	China		Pakistan
	Colombia		Philippines
	Democratic Republic of the Congo		Russia
	Egypt		South Africa
	Ethiopia		South Korea
	France		Spain
	Germany		Tanzania
	India		Thailand
	Indonesia		Turkey
	Iran		Ukraine
	Italy		United Kingdom
	Japan		United States
	Mexico		Vietnam




# States of India

- Jammu and Kashmir
- Arunachal Pradesh
- Himachal Pradesh
- Madhya Pradesh
- Andhra Pradesh
- Uttar Pradesh
- Chhattisgarh
- West Bengal
- Uttarakhand
- Tamil Nadu
- Maharastra
- Telangana
- Rajasthan
- Meghalaya
- Karnataka
- Jarkhhand
- Nagaland
- Tripura
- Mizoram
- Manipur
- Haryana
- Gujarat
- Sikkim
- Punjab
- Odisha
- Kerala
- Bihar
- Assam
- Goa



O I L K B C T V S S C H H A T T I S G A R H I P  
A R U N A C H A L P R A D E S H O A O G D R N M  
G F E T T G P H M C J C N T M A N I P U R Z V N  
U O E Y E G E A B I C I A F M U M H L B I J U K  
J D Q Y L O W K B E L R H C D A D L O G S B D O  
A P P E A F Z A X W Z N K S H F D N C K T D D H  
R X N J N H J T H P A K A A F M A G H R J J M S  
A Y Q O G B R A T Z J B R D M U U E I L A A A E  
T X S D A H V N H U L A A G U Q X P M O R M D D  
Z L F J N J C R W T S S T N C S U A A W K M H A  
M A N B A Y P A V T Q A T Q H R D S C H H U Y R  
Z U S T X O Y K R W N N U E A X O F H T H A A P  
P Z L V O C J A U T V D L S D N A L A G A N P R  
A Y A L A H G E M H W H A I C O E S L N N D R A  
X U O O D I S H A G P R G K S Z M M P V D K A T  
S C L D W P Z J R G E A N K Z B A X R D O A D T  
I B U I B F M P E A D P E I E O S V A K E S E U  
A M X N M I C A T Z J R B M J S S U D X H H S M  
U I A L K V D T M L O A T Z K Z A M E R W M H K  
Z Z L L K Y Z T Y K Q D S J J Y I C S W K I E G  
J O A Z H A R Y A N A E E T N M O W H U U R D G  
Z R R V X Q E I W B E S W Y H Z F J H U L L S X  
G A E G B I H A R D Q H Q I A A S N I I N Q O H  
G M K O I D W N B M J N Q Y J M N Z Y N U B U M

# Hindi

 हिंदी अवकाश गृहकार्य


1.  प्रसिद्ध व्यक्तित्व पर परियोजना

**निम्न में से किसी एक पर चित्र सहित परियोजना तैयार करें:**


- A. P. J. Abdul Kalam
- Mahatma Gandhi
- Rani Lakshmibai

**परियोजना में शामिल करें:**

- जीवन परिचय
- प्रमुख कार्य
- प्रेरणादायक विचार


2.  रचनात्मक लेखन

**कल्पना कीजिए कि “यदि पेड़ बोल सकते” – इस विषय पर 150 शब्दों की कहानी लिखिए।**

3.  हिंदी मूवी/कहानी समीक्षा

**कोई प्रेरणादायक हिंदी फिल्म या कहानी देखकर उसकी समीक्षा लिखिए:**

- कहानी का नाम
- मुख्य पात्र
- आपने क्या सीखा

4.  दैनिक गतिविधि चार्ट

**प्रतिदिन किए गए अच्छे कार्यों का चार्ट बनाइए:**

- पौधों को पानी देना
- पुस्तक पढ़ना
- माता-पिता की सहायता करना

# Science

1. Prepare a colorful timeline showing 10 important scientific inventions/discoveries.

**Example:** wheel, telephone, electricity, computer, internet, artificial intelligence.

**Add:** Year of invention, the scientist's name, and one use of the invention

You may include scientists like:

1. Thomas Edison
2. Alexander Graham Bell
3. Marie Curie
4. C. V. Raman

II. Imagine the world in 2050. Make a journal on the topic-

**“How Science Will Change Our Future”**

You may include: flying cars, Robot teachers, Smart homes, Space travel, AI doctors







**Link for the reference -**

<https://www.instagram.com/reel/DWoXSD0iY2S/?igsh=MXdhYzVzcW50NnRzYg==>

Draw one futuristic invention of your own.

III. Worksheets.

### PROPERTIES OF SUBSTANCE

Substance	Change the colour of litmus paper		Properties
 Soap	Red → <input type="text"/>	Blue → <input type="text"/>	<input type="text"/>
 Facial cleanser	Red → <input type="text"/>	Blue → <input type="text"/>	<input type="text"/>
 Soy souce	Red → <input type="text"/>	Blue → <input type="text"/>	<input type="text"/>
 Tamarind juice	Red → <input type="text"/>	Blue → <input type="text"/>	<input type="text"/>
 Cooking oil	Red → <input type="text"/>	Blue → <input type="text"/>	<input type="text"/>
 Soya milk	Red → <input type="text"/>	Blue → <input type="text"/>	<input type="text"/>

Name: \_\_\_\_\_ Date: \_\_\_\_\_

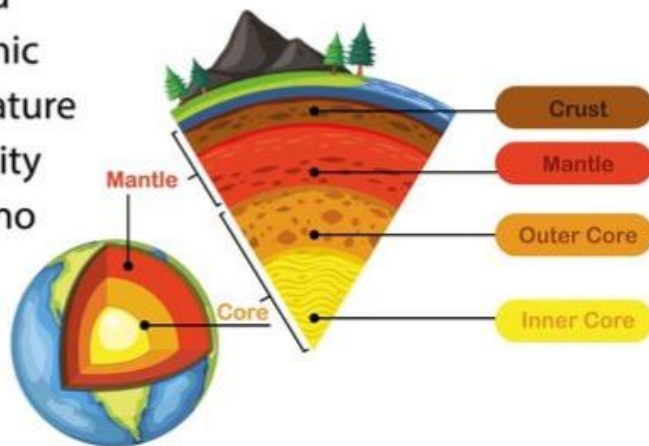
# LAYERS OF THE EARTH

## WORD SEARCH

- Asthenosphere
- Continental Crust
- Convection
- Core
- Crust
- Density
- Earthquake
- Geology
- Gravity
- Heat
- Inner Core
- Lava
- Liquid
- Lithosphere
- Magma
- Mantle
- Minerals
- Molten
- Oceanic Crust
- Outer Core
- Plates
- Pressure
- Rock
- Sediment



- Seismic
- Solid
- Tectonic
- Temperature
- Viscosity
- Volcano



Fill the sentences by using the words below.

public transportation   deforestation   recycle   factories   responsible   eco-friendly  
threat   renewable   global warming   throw   pesticides

1. .... increases the Earth's temperature and causes climate change.
2. We should ..... glass, paper and metal.
3. People are ..... for environmental problems. We cause them.
4. Farmers shouldn't use ..... in agriculture because they are harmful and poisonous.
5. We shouldn't cut down trees. It causes ..... We need trees for oxygen, water and food. It provides a habitat for lots of animals.
6. Water pollution is a big ..... for the water animals.
7. We mustn't ..... garbage into lakes, rivers or oceans.
8. Solar and wind energy are the examples of ..... energy sources.
9. We should use ..... for the short distances instead of our private cars to prevent air pollution.
10. .... give harmful gases to air so they need to use filters.
11. .... products like paper bags or energy efficient bulbs protect the environment.





Name: \_\_\_\_\_

Grade & Section: \_\_\_\_\_

Date: \_\_\_\_\_

Time: \_\_\_\_\_



## Materials that Absorb Water

Choose the best answer.

- \_\_\_ 1. Why is cotton able to absorb water?  
A. It is very light.    B. It is very cheap.    C. It is very smooth.    D. It is very porous.
- \_\_\_ 2. Which of these materials do not absorb water?  
A. linen cloth    B. rubber gloves    C. wood    D. paper
- \_\_\_ 3. What useful property does a raincoat have?  
A. It is hard.    B. It is elastic.    C. It is waterproof.    D. It is rough.
- \_\_\_ 4. What useful property does a towel have?  
A. It is waterproof.    B. It is absorbent.    C. It is disposable.    D. It is expensive.
- \_\_\_ 5. Which of the following materials have the ability to absorb water?  
A.     B.     C.     D. 
- \_\_\_ 6. Which of the following is a non-porous material?  
A.     B.     C.     D. 
- \_\_\_ 7. What do you call materials that allow air or liquid to pass through?  
A. plastic materials    B. rubber materials    C. porous materials    D. non-porous materials
- \_\_\_ 8. Why can porous materials absorb water?  
A. because they are commonly used at home  
B. because they are soft and smooth  
C. because they are tight enough that water can't pass through  
D. because they have plenty of space inside that can hold the liquid
- \_\_\_ 9. If you spill water on the table, what is the best material that you can use to clean it up?  
A. aluminum foil    B. cloth rag    C. plastic bag    D. rubber gloves
- \_\_\_ 10. These are the materials often used to make containers for liquids because they do not absorb water, EXCEPT:  
A. glass    B. cardboard    C. plastic    D. metal



# Science & scientists



## 1. Match the names of different scientists to what research.

a biologist a chemist a geneticist a geologist a physicist

- \_\_\_\_\_ natural forces, e.g. light, sound, heat, etc.
- \_\_\_\_\_ living things, e.g. animals and plants
- \_\_\_\_\_ the structure of substances, what happens in different situations, and when they are mixed with each other
- \_\_\_\_\_ the cells of living things (genes) that control what a person or plant is like
- \_\_\_\_\_ rocks and how they are formed

## 2. Fill in the table with correct words.

PERSON	ADJECTIVE	SUBJECT
1 scientist	scientific	science
2 chemist		
3 biologist		
4 physicist		
5 geneticist		
6 geologist		

## 3. Connect the verbs and phrases to their meaning by writing the right number.

1 - do experiments    2 - do research    3 - discover  
 4 - study    5 - solve problems    6 - hypothesize  
 7 - invent    8 - collect data    9 - make theories  
 10 - make predictions    11 - observe    12 - prove

- \_\_\_\_\_ - to make an educated guess
- \_\_\_\_\_ - to make a guess about the future
- \_\_\_\_\_ - to collect, gather facts
- \_\_\_\_\_ - to find something for the first time
- \_\_\_\_\_ - to make something for the first time
- \_\_\_\_\_ - to test something under controlled conditions
- \_\_\_\_\_ - to look at something carefully for some time
- \_\_\_\_\_ - to find solutions
- \_\_\_\_\_ - to make an explanation for something
- \_\_\_\_\_ - to show that something is true or correct
- \_\_\_\_\_ - to investigate something and do experiments
- \_\_\_\_\_ - to learn about something

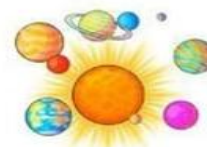


## 5. Match the descriptions to the nouns.

Solar System    a rocket    a meteor  
 a telescope    an observatory    a galaxy

- 1 A vehicle that is able to go to space is \_\_\_\_\_
- 2 A building designed and equipped for observing astronomical phenomena is \_\_\_\_\_
- 3 The instrument that makes distant objects seem closer is the \_\_\_\_\_
- 4 A piece of rock or metal from space, that burns brightly when it enters the Earth's atmosphere is \_\_\_\_\_
- 5 The sun is at the center of the \_\_\_\_\_
- 6 Any of a vast number of star systems held together by gravitational attraction is \_\_\_\_\_

## 6. Now write the vocabulary from exercise 5 under the correct pictures.



## 4. Now fill in the text below with the words you have learned.

test    correct    discover    evolution    repeat    support  
 experiments    incorrect    laboratory    works    theory  
 telescope    undermine    journal

The aim of science is to \_\_\_\_\_ new facts about the world. Scientists find out new facts by making observations, or by doing \_\_\_\_\_. Astronomers, for example, discover new facts by making observations through a \_\_\_\_\_, and chemists discover new facts by doing experiments in a \_\_\_\_\_.

An idea that explains why something is true, or how something happens, is called a scientific \_\_\_\_\_. For example, Charles Darwin created the theory of \_\_\_\_\_, to explain how all the different species in nature developed over time. Scientists then designed experiments, and made observations, \_\_\_\_\_ his theory.

## 7. Discuss:



What do you think is the most important scientific discovery of recent years?

Are there any scientific discoveries that you wish *hadn't* been made?



Would you ever agree to be a volunteer in a clinical trial of a new drug?



Generally, would you agree to be a guinea pig for a new kind of treatment?



#### IV. DRAW ANY ONE MODEL OUT OF THESE TWO.

1. Volcano working model. Link-

<https://youtube.com/shorts/SqpyN8MMhbc?si=eRGQKATqIEJmTRin>

2. Solar Eclipse and Lunar Eclipse. Link-

<https://youtube.com/shorts/CiHNOF9oUVQ?si=w9D15PT1-3LiRmKW>

## English

### Make any (One) project /model

#### 1. “Grammar Vending Machine” – Working Model

**Topic:** Parts of Speech & Sentence Formation

**Materials:**

Cardboard box, colored paper, small paper slips, ice cream sticks, glue, marker, transparent sheet.

**How it works:**

\* Create a vending-machine style model with labelled sections:

Noun, Pronoun, Verb, Adjective, Adverb.

\* Students pull random word slips from each section.

\* Using the selected words, they must form a meaningful sentence.

\* Add a “Correct/Incorrect” flap behind the sentence strip.

**Interactive element:**

A rotating wheel or pull-tabs that reveal sentence corrections and grammar rules.

#### 2. Synonyms Antonyms Ferris wheel

**Simple concept:**

\* Each Ferris wheel compartment contains a word.

\* When the wheel rotates, the opposite side reveals:

\* Synonym on one color

\* Antonym on another color

\* Add moving lights or a hand-rotating mechanism for a working model effect.

**Example words:**

\* Happy → Joyful / Sad

\* Brave → Courageous / Cowardly

\* Tiny → Small / Huge

\* Fast → Quick / Slow

\* Begin → Start / End

<https://youtu.be/PrOU6lzfV2U?si=fnEExV8VM29nnwU7>

[https://youtube.com/shorts/C\\_Z4UbfQVs?si=LPxepH8Hm4L2cKt](https://youtube.com/shorts/C_Z4UbfQVs?si=LPxepH8Hm4L2cKt)

Holiday Activity Worksheets: -

Name \_\_\_\_\_ Date \_\_\_\_\_

## SUMMARIZING STORY

### The Milkmaid and Her Pail

Patty, a milkmaid milked her cow and had two full pails of fresh, creamy milk. She put both pails of milk on a stick and set off to the market to sell the milk. As she took steps towards the market, her thoughts took steps towards wealth. On her way, she kept thinking about the money she would make from selling the milk. Then she thought about what she would do with that money.

She was talking to herself and said, "Once I get the money, I'll buy a chicken. The chicken will lay eggs and I will get more chickens. They'll all lay eggs, and I will sell them for more money. Then, I'll buy the house on the hill and everyone will envy me." She was very happy that soon she would be very rich. With these happy thoughts, she marched ahead. But suddenly, she tripped and fell. Both the pails of the milk fell and all her dreams were shattered. The milk spilt onto the ground, and all Patty could do was cry. "No more dream," she cried foolishly!

Who was in the story?

Where does the story take place?

What was the problem of the story?

How was the problem solved?



Name \_\_\_\_\_



# Opinion Writing



My Purpose: \_\_\_\_\_

**Convince your reader:** Provide reasons and examples to make your opinion clear.

Sentence starters for stating your opinion

- In my opinion
- I think
- I strongly believe
- I feel
- My favorite



Transition words to use in the body of your writing

- For example/instance
- Another reason
- In addition/Additionally
- First, second, next, finally
- Most importantly



Transition words to use in your conclusion

- In conclusion
- For all the reasons I've given
- To sum it up
- To summarize
- As you can see



State your opinion clearly in a single, complete sentence.

\_\_\_\_\_

\_\_\_\_\_

**Convince your reader:** Provide reasons and examples to make your opinion clear.

Reason: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



Example: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Reason: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



Example: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Conclusion: \_\_\_\_\_

\_\_\_\_\_



Name \_\_\_\_\_ Date \_\_\_\_\_

# POETRY REVIEW

Title

Author

Feeling and emotions in the poetry

-----  
-----  
-----  
-----  
-----

This poetry is about

-----  
-----  
-----  
-----  
-----

My favorite line in the poetry is

-----  
Because  
-----

Images that come to mind when I read this poetry

-----  
-----  
-----  
-----  
-----  
-----  
-----  
-----  
-----  
-----

Adjectives

-----  
-----  
-----  
-----

Sound Patterns

-----  
-----  
-----  
-----

# English Worksheet

## SECTION A – READING

### Unseen Passage

Riya loved visiting her grandmother during the summer holidays. Every evening, her grandmother told her stories about courage, honesty, and kindness. One day, while walking in the garden, Riya found a small injured bird near a tree. She carefully picked it up and placed it in a basket. She fed the bird grains and gave it water every day. After a week, the bird became healthy and flew away happily. Riya felt proud that she had helped a helpless creature.

### A. Choose the correct answer.

- Where did Riya go during the holidays?
  - Her friend's house
  - Her grandmother's house
  - A hotel
  - A camp
- What did Riya find in the garden?
  - A puppy
  - A kitten
  - An injured bird
  - A rabbit
- How did Riya feel when the bird flew away?
  - Angry
  - Proud
  - Sad
  - Afraid

### B. Answer the following questions.

- What kind of stories did Riya's grandmother tell her?
- Where was the injured bird found?
- How did Riya take care of the bird?
- How long did it take for the bird to recover?
- What lesson do you learn from the passage?

## SECTION B – GRAMMAR AND WRITING

- 1- Identify the subject and predicate.
  - The little boy won the race.
  - My friends are playing football.
  
3. State whether the underlined group of words is a phrase or a sentence.
  - In the beautiful garden
  - The children are singing loudly.
  
3. Write the kind of sentence.
  - Please close the door.
  - What a beautiful painting!
  
4. Complete the tag questions.
  - She is your sister, \_\_\_\_\_?
  - b) They went to school, \_\_\_\_\_?
  
5. Identify the noun in the sentence.  
The teacher praised Aman for his honesty.

## SECTION C – LITERATURE

### A. Multiple Choice Questions

1. In The Smith and the Demon, who became young again?
  - a) The king
  - b) The old lady
  - c) The Smith
  - d) The farmer
2. Why did Mrs Margery go to seek justice?
  - a) Her jewellery was stolen
  - b) Someone cheated her
  - c) Her land was taken away
  - d) She lost her money

### B. True or False

1. The demon was skilled in the smith's trade. \_\_\_\_\_
2. Mrs Margery was a brave and determined woman. \_\_\_\_\_

### C. Reference to Context

1. "I can make anyone young again."
  - Who said these words?
  - b) What power was being talked about?
  
2. "I will not give up until I get justice."

- Who said these words?
- b) What quality of the speaker is shown here?

## Maths

### Activity 1: Fractional Park – Working Model

#### **Materials / Requirements:**

- Cardboard or thermocol sheet
- Colored papers and chart papers
- Scale/ruler
- Pencil and eraser
- Scissors and glue
- Sketch pens/crayons
- Fraction circles or paper cut-outs
- Ice cream sticks/straws
- Small labels and decorative items
- Other stationery items

Reference video: <https://youtu.be/IVt8BJmpyus?si=0tauhJlt-iBXra4>

**Note:** Students can use their creativity to design and decorate the function models in their own unique way, using any additional materials or ideas they wish.

### Activity 2: Prepare a journal on “Large Numbers Around Us.”

You may include:

- Large numbers used in daily life
- Indian and International number system
- Population and distance facts
- Famous mathematicians
- Interesting number tricks

You may also add:

- Pictures
- Facts
- Timelines
- Charts and drawings

# Algebraic Expressions

Use the Distributive Property & Combine Like Terms

1  $8x + 5 - 3x$   
\_\_\_\_\_

1  $4x + 9 - 2x + 5$   
\_\_\_\_\_

1  $12y - 4y + 9 - 3$   
\_\_\_\_\_

1  $3y + 6 - y + 4$   
\_\_\_\_\_

1  $6a + 3b - 2a + 4b$   
\_\_\_\_\_

1  $7a + 2b - 3a + 5b$   
\_\_\_\_\_

1  $5m - 2n + 7m + 3n$   
\_\_\_\_\_

1  $9d - 3 + 5d + 7$   
\_\_\_\_\_

1  $10p - 3 + 2p + 6$   
\_\_\_\_\_

1  $2m + 4 - m + 6$   
\_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Subtracting Integers Drill

Directions: Answer the following questions in the spaces provided paying attention to sign rules when subtracting integers. Show your work.

1.  $(4) - (-14) - (-3) - (-16) - (7)$

Answer: \_\_\_\_\_

2.  $(-6) - (27) - (-15) - (18) - (-13)$

Answer: \_\_\_\_\_

3.  $(-3) - (-9) - (-6) - (7) - (2)$

Answer: \_\_\_\_\_

4.  $(-10) - (2) - (-4) - (-3) - (8) - (9)$

Answer: \_\_\_\_\_

5.  $(-12) - (5) - (15) - (-2) - (12) - (-19) - (1)$

Answer: \_\_\_\_\_

## Divisibility by 6 and 8

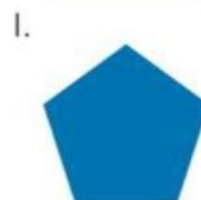
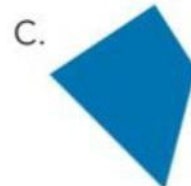
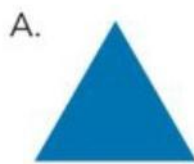
Mark the correct box for the number that is completely divisible.

Number	Divisible by 6	Divisible by 8
24	✓	✓
36		
48		
32		
72		
64		
120		
300		
888		
608		

# Polygons

Match each polygon with its definition.

- H   is a polygon with six sides.
1.        is a quadrilateral with opposite sides parallel.
  2.        is a polygon with three angles.
  3.        is an eight-sided polygon.
  4.        is a plane figure with four equal sides and four right angles. Opposite sides are parallel.
  5.        is a five-sided polygon.
  6.        is an irregular polygon.
  7.        is a quadrilateral with four right angles. Opposite sides are parallel, but not all sides are equal.
  8.        is a quadrilateral with only two parallel sides.



# Do questions given in pg.no 165 -171 in your notebook.

## Arts



# ART & CRAFT SUMMER HOLIDAY HOMEWORK



CLASS - 7

**NOTE-** Kindly make your work neat and creative. Use colourful materials and paste the work in a handmade folder.

### 1. THREE COLOUR LANTERN

Make a beautiful lantern using paper in any three colours as shown in the example.

You can use different shades of your choice.

Make it neat and attractive.

Example:



### 2. BEST OUT OF WASTE MATERIAL

Create any one useful or decorative item using waste material.

You can use things like plastic bottles, old newspapers, cardboard, tin cans, etc.

Use your creativity to make it neat and attractive.

Example Ideas:



# Computer

## Worksheets:

### Section A – Fill in the Blanks

1. The binary number system has base \_\_\_\_\_.
2. Decimal number system uses digits from \_\_\_\_\_ to \_\_\_\_\_.
3. The face value of 9 in 294 is \_\_\_\_\_.
4. The place value of 4 in 548 is \_\_\_\_\_.
5. Octal number system has base \_\_\_\_\_.
6. Hexadecimal system has base \_\_\_\_\_.
7. Binary numbers use only \_\_\_\_\_ and \_\_\_\_\_.
8. The place value of 3 in 735 is \_\_\_\_\_.
9. The decimal equivalent of binary 101 is \_\_\_\_\_.
10. The binary equivalent of decimal 8 is \_\_\_\_\_.

### Section B – True or False

1. The place value of a digit changes according to its position. \_\_\_\_\_
2. Binary system uses digits from 0 to 9. \_\_\_\_\_
3. The face value of a digit never changes. \_\_\_\_\_
4. The hexadecimal number system uses base 16. \_\_\_\_\_
5. Decimal 10 in binary is 1010. \_\_\_\_\_
6. Octal system uses digits from 0 to 7. \_\_\_\_\_
7. Binary 111 equals decimal 7. \_\_\_\_\_
8. Place value and face value are always the same. \_\_\_\_\_

### Section C – Short Answer Questions

1. What is a number system? Name the different types of number systems?
2. Write a short note on binary and decimal number systems.
3. Differentiate between face value and place value.
4. Why do computers use binary language?
5. Write the rules of multiplication of two binary numbers?

### Section D – Multiple Choice Questions

1. Which number system has base 2?

- Decimal
- Binary
- Octal
- Hexadecimal

2. Which number system uses digits 0-7?

- Binary
- Decimal
- Octal
- Hexadecimal

3. What is the binary of decimal 5?

- 101
- 110
- 111
- 100

4. What is the decimal of binary 1001?

- 8
- 9
- 10
- 11

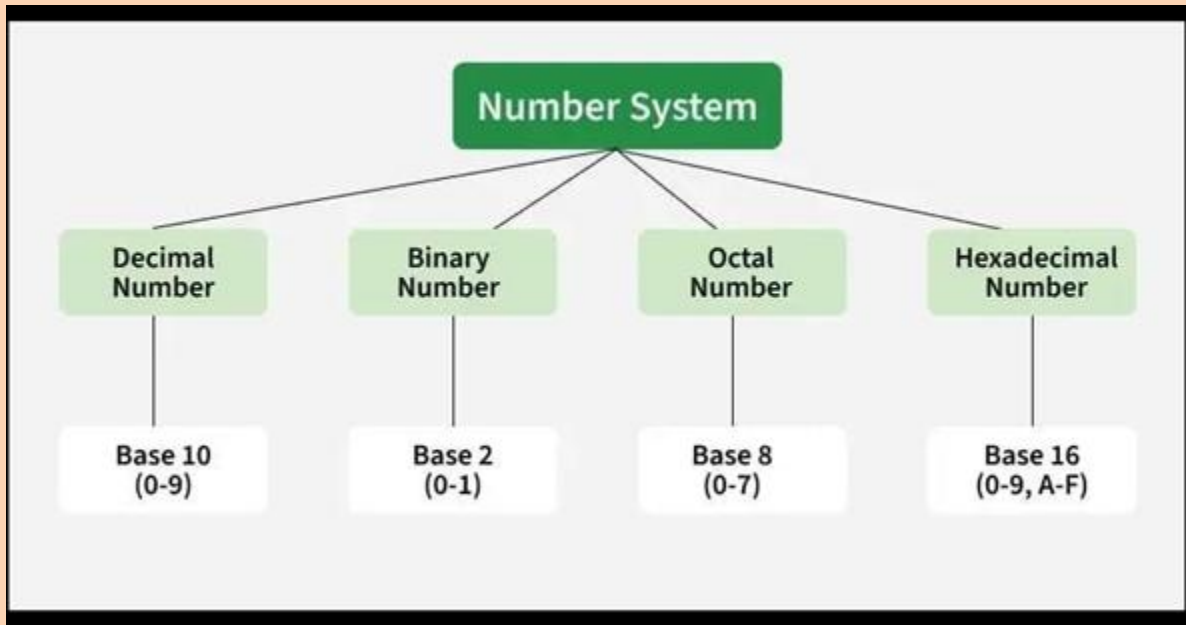
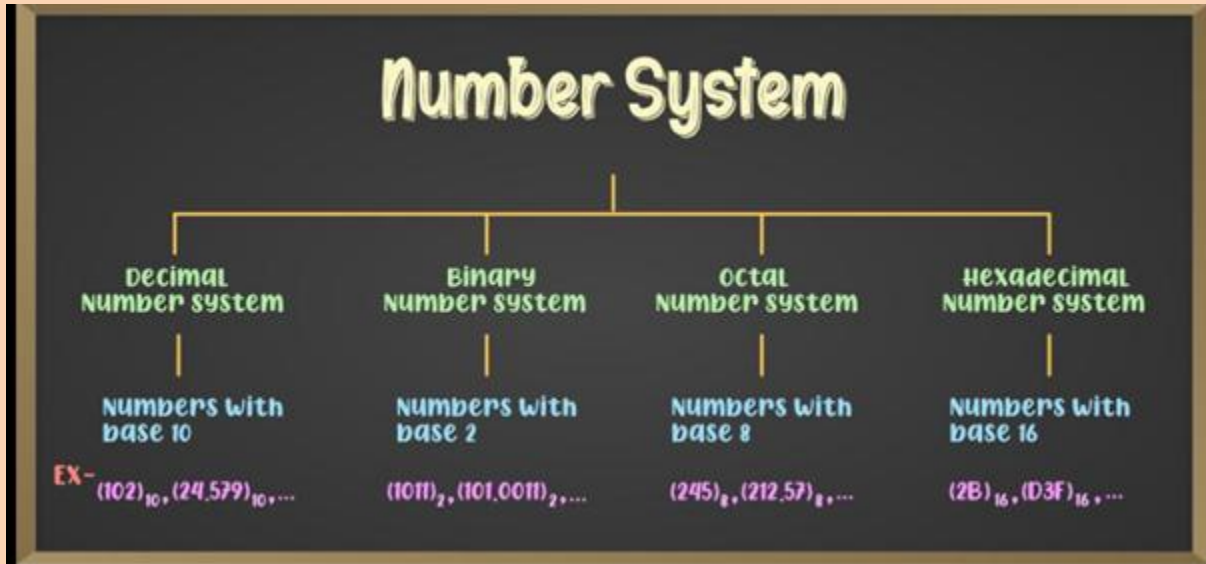
5. Which system is used by computers?


- Decimal
- Binary
- Octal
- Roman

## Fun Activities

1- Create a colorful chart showing all types of number systems.

Reference pictures:

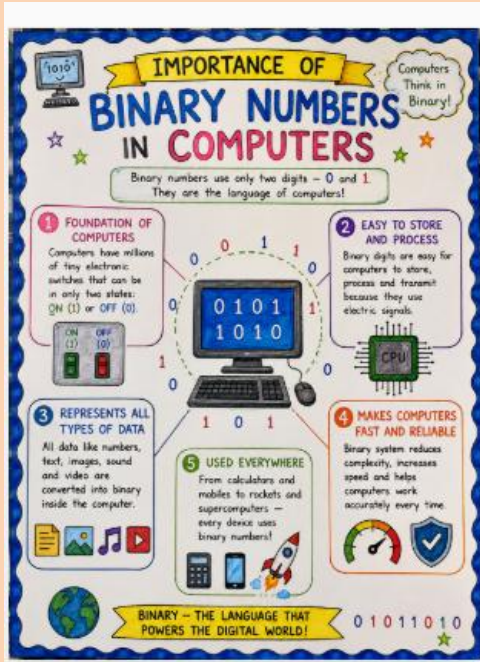


2-  Write your mobile number in binary form.

## Creative Projects

💡 Make a poster on 'Importance of Binary Numbers in Computers'.

Reference pictures:



## Imagine and Write:

- 1- Imagine a world without computers. How would schools and offices work?
- 2- Why are binary numbers important in computers?