

THE GYAN BHAIKAV GLOBAL SCHOOL

(Affiliated to **CBSE**)

SESSION -2026-27

GRADE VII



As the sun shines brightly, heralding the arrival of summer, we embark on a journey of discovery and growth through our Summer Learning Adventure program! This document is your passport to a season filled with exciting challenges, engaging activities, and new knowledge waiting to be explored.

Designed to keep your minds active and curious during the break, this adventure is your opportunity to dive deeper into subjects you love, uncover new interests, and prepare yourselves for the academic challenges ahead. Whether you're exploring the wonders of science, unraveling the mysteries of history, or getting creative with arts and crafts, this summer promises to be a time of fun-filled learning!

Each activity in this document is carefully crafted to stimulate your intellect, spark your creativity, and nurture your love for learning. So, grab your pens, pencils, and adventurous spirit as we embark on this exciting journey together!

Are you ready to make this summer one to remember? Let's dive in and begin our Summer Learning Adventure! ✈️

The adventure has two sections: Serious Self-Assessment and Fun-Filled Learning.

Serious Self-Assessment Section:

In this section, you will find assignments to assess your understanding of key concepts from the current academic year. These assignments are meant to be challenging and will help you identify areas where you may need to focus more attention.

Fun-Filled Joyful Learning Section: In this section, you will find a variety of activities designed to make learning fun and enjoyable. These activities include arts and crafts, outdoor exploration, and creative writing prompts.



GUIDE LINES

Assignments Completion:

- ❖ All written assignments should be meticulously completed in your school notebooks.
- ❖ Each assignment must begin with a title page indicating the subject, your name, class, and roll number.

Projects and Activities:

- ❖ Projects and creative activities are to be beautifully executed on A3 size white sheets.
- ❖ Ensure your work is neat and presentable, with illustrations and diagrams where applicable to enhance visual appeal.
- ❖ Label all your project sheets with your name, class, and roll number at the bottom right corner.

Submission:

- ❖ All holiday homework is to be submitted on the first day of school after the break, i.e., 3rd July .
- ❖ Ensure your name, class, and roll number are clearly mentioned on each submission.
- ❖ Place all your work in a folder to keep it organized and intact.

Subject Enrichment Activities:

- ❖ Complete the subject enrichment activities as instructed in the school notebook.
- ❖ These activities are designed to deepen your understanding of the subjects, so approach them with curiosity and diligence.

Parental Guidance:

- ❖ Parents are encouraged to guide their children through these assignments to ensure clarity and understanding.
- ❖ If you encounter any difficulties, feel free to contact your class teacher for clarification.

Creative Presentation:

Use your creativity to make your projects and activities vibrant and engaging.

Incorporate colors, drawings, and innovative ideas to make your work stand out.

Academic Revision:

Alongside the holiday homework, dedicate time to revise the entire syllabus of Periodic Test 1.

This revision will ensure you are well-prepared for the upcoming assessments.

Remember, the aim of this holiday homework is to foster a love for learning and to help you develop a disciplined approach towards your studies. Enjoy your holidays, stay safe, and come back refreshed and ready to dive into the new academic session!

SELF ASSESSMENT SECTION

ASSIGNMENT:

Q1. Combine the Sentences to Form Compound Sentences

Combine the following sentences using a coordinating conjunction or a conjunctive adverb to form compound sentences:

- a) My mother is sick, yet she is going to the doctor.
- b) Jibin has gone to Hyderabad, but he has not found any jobs yet.
- c) Nalini was not satisfied with her birthday dress, but she wore it anyway.
- d) Jaffar called me yesterday, but I was not able to attend his call.
- e) Tina had to present the paper today, but Nancy volunteered to do it.

Q2. Read the passage given below and answer the following questions.

A giant in stature, with long hair, wearing a bottle green fur-lined overcoat and a round seal skin cap on his head, Oscar Wilde arrived in New York on 2nd of January 1882 on a lecture tour. He was mobbed by reporters who asked him (much to his irritation) unimportant questions such as how he liked his eggs fried, how he trimmed his fingernails, and what temperature he preferred his bath to be. His answers showed a total lack of interest.

However, when he stepped ashore, the customs official asked, "Have you anything to declare?" and with customary style, Wilde replied, "No, I have nothing to declare (pause) except my genius." Few remarks in history have traveled as widely and as quickly as that one.

MCQs:

When did Oscar Wilde arrive in New York?

- a) 1st January 1882
- b) 2nd January 1882
- c) 3rd January 1882
- d) 4th January 1882

What was Oscar Wilde wearing when he arrived in New York?

- a) A bottle green fur-lined overcoat and a round seal skin cap
- b) A black trench coat and a bowler hat
- c) A brown leather jacket and a fedora
- d) A navy blue blazer and a beanie

How did Oscar Wilde feel about the questions from reporters?

- a) He was excited
- b) He was irritated
- c) He was amused
- d) He was indifferent

Which of the following questions was NOT asked by the reporters?

- a) How he liked his eggs fried
- b) How he trimmed his fingernails
- c) What temperature he preferred his bath to be
- d) Why he was on a lecture tour

What did Oscar Wilde declare to the customs official?

- a) His lecture tour plans
- b) His genius
- c) His belongings
- d) His irritation with reporters

What does the passage suggest about Oscar Wilde's remark to the customs official?

- a) It was forgotten quickly
- b) It traveled widely and quickly
- c) It caused controversy
- d) It was misunderstood

Subjective Questions:

- a) Mention two details of Oscar's physical appearance when he came to New York.
- b) Why did he come to New York?
- c) Oscar Wilde was not interested in answering the questions of reporters. Why?
- d) What does Oscar Wilde's answer to the customs officer's question show?
- e) Find a word in the passage which means "exceptional ability in a person."

Q3. Notice Writing

Write a notice for your school notice board informing students that the annual function is going to be celebrated in your school. Undersign yourself as the head boy/head girl of Lady Florence Convent School.

FUN FILLED ACTIVITY SECTION

ACTIVITIES: (Do any 2)

1. Display Card:

- ✧ Use an A4 size poster sheet of green, yellow, or light blue color.
- ✧ Paste the picture of any one of the following authors: Rabindranath Tagore, Ruskin Bond, O. Henry, or William Shakespeare.
- ✧ Below the picture, provide the following information about the author:
 - ✧ Date of birth
 - ✧ Popular works
 - ✧ Awards received

2. Beautiful Bookmark:

- ✧ Make a beautiful bookmark for your Literature reader.
- ✧ Decorate it and write an inspirational quotation that inspires you.
- ✧ Laminate the bookmark.

3. Enhancing Art Skills and Vocabulary:

Activity-Based Poem - "The Listeners" (from the course book):

- ✧ Task 1: Read the poem "Trees" and find out the poetic devices. Write them in your Homework Notebook.
- ✧ Task 2: Read the novel "Pride and Prejudice." Write the brief review of the novel and provide beautiful sketch portrait of the main characters.

4. Fun Learning Activity: Create Your Own Newspaper

Objective: To develop vocabulary and enhance creativity through the creation of a newspaper.

Materials Needed:

- ❖ A4 size paper or any paper of your choice
- ❖ Colored pens or markers
- ❖ Scissors

- ❖ Glue
- ❖ Old magazines or newspapers for cutting out images (optional)
- ❖ Ruler

Instructions:

Create your own four-page newspaper. Include different sections such as national and international news, sports news, weather news, and advertisements.

Page Layout:

❖ Page 1: National and International News

Write two news articles: one national and one international. Each article should be at least 150 words.

Include a headline for each article. Use at least five new vocabulary words learned recently and highlight them.

Add one relevant image or drawing for each article.

❖ Page 2: Sports News

Write two sports news articles: one about a recent game or match and another about a famous sportsperson.

Each article should be at least 100 words. Highlight at least three new vocabulary words in each article.

Add pictures or drawings related to the sports news.

❖ Page 3: Weather News

Write a weather forecast for the next week. Include temperatures, weather conditions (sunny, rainy, cloudy, etc.), and any important weather advisories.

Use at least three new vocabulary words related to weather.

Draw a weather map or symbols representing different weather conditions.

❖ Page 4: Advertisements

Create four advertisements. Each ad should be for a different product or service (e.g., a new book, a sports event, a local shop, or a school event).

Each advertisement should include a catchy headline, a brief description, and an image or drawing.

Use persuasive language and at least two new vocabulary words in each ad.

Instructions for Each Section:

1. National and International News:

Research recent news stories for inspiration.

Write clear and concise articles with proper grammar.

Highlight the new vocabulary words and ensure they are used correctly in the context.

2. Sports News:

Choose recent sports events or famous sportspersons to write about.

Use descriptive language to make the articles engaging.

Highlight new vocabulary words and use them appropriately.

3. Weather News:

Check the weather forecast for the coming week.

Describe the weather conditions accurately.

Use weather-related vocabulary words and highlight them.

4. Advertisements:

Think creatively about products or services you want to advertise.

Use persuasive and engaging language.

Highlight new vocabulary words and use them effectively.

5. Presentation:

Ensure all pages are neat and well-organized.

Use colored pens or markers to make your newspaper visually appealing.

If using images from magazines or newspapers, cut them neatly and glue them in place.

Enjoy creating your newspaper and have fun with your learning!

HINDI

SELF ASSESSMENT SECTION

प्रश्न-1 दिए गए वाक्यों में उचित शब्दों द्वारा रिक्त स्थान भरें।

- ❖ भाषा के क्षेत्रीय रूप को _____ कहते हैं।
- ❖ नेपाली भाषा की लिपि _____ है।
- ❖ भारतीय संविधान में _____ भाषाओं को स्वीकृति दी गई है।
- ❖ दीर्घ स्वर _____ होते हैं।
- ❖ अनुस्वार में वायु _____ से निकलती है।
- ❖ उत्पत्ति के आधार पर शब्दों के _____ भेद हैं।
- ❖ भाषा की सबसे छोटी इकाई को _____ कहते हैं।
- ❖ हिंदी में स्वरों की संख्या _____ है।
- ❖ क्ष, त्र, ज्ञ, श्र _____ व्यंजन हैं।
- ❖ वर्णों के व्यवस्थित समूह को _____ कहते हैं।
- ❖ वर्णों को अलग करके लिखना _____ कहलाता है।
- ❖ शब्द को जब वाक्य में प्रयुक्त किया जाता है तो वह _____ कहलाता है।

प्रश्न-2 दिए गए शब्दों का संधि-विच्छेद कीजिए तथा भेद का नाम लिखिए।

- ❖ पराधीन
- ❖ न्यायालय
- ❖ परोपकार
- ❖ विद्यार्थी
- ❖ सूर्योदय
- ❖ सदैव
- ❖ सत्यानंद
- ❖ लोकोक्ति

प्रश्न-3 सही कथन पर सही तथा गलत कथन पर गलत का निशान लगाइए।

- ❖ दीर्घ संधि सामान स्वरों के बीच होती है।

- ❖ तद्भव शब्द संस्कृत शब्दों के परिवर्तित रूप हैं।
- ❖ अनुस्वार और अनुनासिक में कोई अंतर नहीं होता।
- ❖ जिन व्यंजनों का उच्चारण करते समय श्वास वायु की मात्रा कम खर्च हो उसे महाप्राण कहते हैं।
- ❖ सभी भाषाओं की लिपि एक जैसी होती है।
- ❖ शब्द वर्णों के योग से बनते हैं।
- ❖ गुण संधि विसर्ग संधि का भेद है।
- ❖ भाषा सीखने के लिए व्याकरण जानना आवश्यक है।
- ❖ संयुक्त वर्ण और उष्म व्यंजन अलग-अलग होते हैं।
- ❖ य, र, ल, व अंतःस्थ व्यंजन हैं।

प्रश्न-4 निम्नलिखित प्रश्नों के उत्तर दीजिए।

- ❖ भाषा के लिखित और मौखिक रूप के तीन-तीन उदाहरण दीजिए।
- ❖ संयुक्त व्यंजन क्या होते हैं? एक-एक उदाहरण भी दीजिए।
- ❖ विसर्ग संधि के कोई दो उदाहरण लिखिए।
- ❖ विकारी तथा अविकारी शब्दों में अंतर स्पष्ट कीजिए।

प्रश्न-6 दिए गए गद्यांश को पढ़कर पूछे गए प्रश्नों के उत्तर दीजिए।

गरमी के इस प्रकोप से अपने आपको बचाने के लिए मनुष्य ने उपाय खोज निकाले हैं। साधारण आय वाले घरों में बिजली के पंखे चल रहे हैं, जो नर-नारियों की पसीने से रक्षा करते हैं। अमीरों के यहाँ वातानुकूलन यंत्र लगे हैं। समर्थ जन गरमी से बचने के लिए पहाड़ी स्थलों पर चले जाते हैं और ज्येष्ठ की तपती दोपहरी पहाड़ की ठंडी हवाओं में बिताते हैं। प्यास बुझाने के लिए शीतल पेय है बर्फ और बर्फ से बने पदार्थ ग्रीष्म के शत्रु और लोगों के लिए वरदान हैं।

(क) गरमी के प्रकोप से बचने के लिए किसने उपाय खोज निकाले हैं?

- (i) मछलियों ने
- (ii) जानवरों ने
- (iii) मनुष्यों ने
- (iv) इन सभी ने

(ख) अमीरों के यहाँ क्या लगे हुए हैं?

- (i) वातानुकूलन के यंत्र
- (ii) भूकंपरोधी यंत्र
- (iii) परीक्षण यंत्र
- (iv) उपर्युक्त सभी

(ग) समर्थ जन गरमी से बचने के लिए कहाँ चले जाते हैं?

- (i) हिमालय पर
- (ii) शिमला
- (iii) पहाड़ों पर
- (iv) कन्याकुमारी

(घ) प्यास बुझाने के लिए क्या है?

- (i) पानी
- (ii) शीतल पेय
- (iii) घड़े का जल
- (iv) फ्रिज का जल

(ङ) गरमी में आम लोगों के लिए क्या है?

- (i) बर्फ और बर्फ से बने पदार्थ
- (ii) शीतल पेय
- (iii) पानी
- (iv) प्याऊ

FUN FILLED ACTIVITY

ACTIVITY: (Do any one)

कक्षा 7 के लिए मजेदार सीखने की गतिविधियाँ

गतिविधि 1: वस्तुओं के लिंग पहचानो

उद्देश्य: नित्य प्रयोग में आने वाली वस्तुओं के लिंग के बारे में जानकारी बढ़ाना।

सामग्री:

A4 आकार की कागज की शीट्स

पेंसिल, रंगीन पेंसिल/मार्कर

निर्देश:

सूची बनाएं:

नित्य प्रयोग में आने वाली 10 वस्तुओं की सूची बनाएं। उदाहरण के लिए: किताब, कलम, बर्तन, कपड़ा, आदि।

लिंग लिखें:

प्रत्येक वस्तु का लिंग (पुल्लिंग या स्त्रीलिंग) लिखें।

वस्तुओं के नाम और उनके लिंग को कागज की शीट पर लिखें।

चित्र बनाएं:

प्रत्येक वस्तु का छोटा

प्रस्तुति:

सभी शीट्स को एकत्रित करें और एक छोटी पुस्तक के रूप में प्रस्तुत करें।

अपनी पुस्तक को रंगीन पेंसिलों या मार्करों से सजाएं।

उदाहरण:

किताब (स्त्रीलिंग)

कलम (पुल्लिंग)

बर्तन (पुल्लिंग)

कपड़ा (पुल्लिंग)

गतिविधि 2: देशभक्तों की जीवनगाथा

उद्देश्य: देशभक्तों के जीवन और बलिदान के बारे में जानकारी प्राप्त करना और उनकी प्रेरणादायक कहानियों को समझना।

सामग्री:

स्क्रेप फाइल

गोंद

कतरने (पुराने पत्रिकाओं या अखबारों से)

पेंसिल, रंगीन पेंसिल/मार्कर

निर्देश:

चित्र एकत्रित करें:

देश की आजादी के लिए प्राण न्यौछावर करने वाले 5 देशभक्तों के चित्र एकत्रित करें। उदाहरण के लिए: भगत सिंह, रानी लक्ष्मीबाई, महात्मा गांधी, आदि।

स्क्रेप फाइल में चिपकाएं:

स्क्रेप फाइल में इन चित्रों को चिपकाएं। प्रत्येक चित्र को साफ-सुथरे तरीके से चिपकाएं।

जीवन के बारे में लिखें:

प्रत्येक देशभक्त के जीवन के बारे में 5-6 पंक्तियाँ लिखें। उनके जन्म, महत्वपूर्ण कार्य, और बलिदान के बारे में लिखें।

सजावट:

स्क्रेप फाइल को रंगीन पेंसिलों या मार्करों से सजाएं।

उदाहरण:

भगत सिंह:

जन्म: 28 सितंबर 1907

प्रमुख कार्य: अंग्रेजों के खिलाफ सशस्त्र संघर्ष

बलिदान: 23 मार्च 1931 को फांसी दी गई।

प्रस्तुति:

सभी चित्रों और विवरणों को सुंदर तरीके से प्रस्तुत करें।

SCIENCE

SELF ASSESSMENT SECTION

Assignment:

Q1. Multiple Choice Questions:

- i) The primary source of food on Earth IS the
- a) green plants b) animals c) non-green plants d) none of these
- ii) The organisms which can make their own food are called
- a) autotrophs b) heterotrophs c) chloroplasts d) coleus
- iii) This is the most abundant element in the atmosphere.
- a) Nitrogen b) Oxygen c) Phosphorus d) Chlorine
- iv) Loss of water in the form of water vapour from stomata and the general surface of the plant body is called
- a) transpiration b) photosynthesis c) respiration d) nutrition
- v) The rate of photosynthesis is higher in
- a) bright light b) dim light c) artificial light d) none of these
- vi) The root nodules of leguminous plants contain certain bacteria called_____ that fix nitrogen in the soil.
- a) staphylococcus b) rhizobium c) Cuscuta d) sundew
- vii) Which of the following is a parasite?
- a) rhizopus b) penicillium c) aspergillus d) Cuscuta
- viii) Which one of the following is an insectivorous plant?
- a) green alga b) yellowish fungus c) sundew d) rhizobium
- ix) The organism on which the parasite depends for food is known as
- a) host b) symbiont c) saprotroph d) heterotroph
- x) Rhizobium is a symbiotic association of bacteria with

a) onion
rot

b) pea

c) radish

d) car-

Q2. The question below consists of an assertion and a Reason. Use the following key to choose the appropriate answer.

- (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 (A) : Plants make their food themselves and are called autotrophs.
Reason (R) : Human beings and other animals depend on plants for their food.

ii. Assertion (A) : Water and minerals present in soil are absorbed by roots and transported to leaves.
Reason (R) : Carbon dioxide from air is taken through stomata present on the surface of

iii. Assertion (A) : The green pigment present in the leaves of plants is called chlorophyll.
Reason (R): This green pigment is responsible for the green colour of most of the plants.

iv. Assertion (A) : Sun is the ultimate source of energy for all living organisms.
Reason (R) : Sunlight is one of the essential conditions for photosynthesis to occur in plants.

v. Assertion (A): The product of photosynthesis is a complex chemical substance called carbohydrate.
Reason (R): The carbohydrate ultimately gets converted into sugar.

vi. Assertion (A) : Digestion of carbohydrates, like starch, begins in buccal cavity.
Reason (R) : The digested food is absorbed in the blood vessels from small intestines.

vii. Assertion (A) : Digestion in amoeba is intracellular.
Reason (R) : In the food vacuole the food becomes trapped and is digested by the action of digestive juices secreted into food vacuole.

viii. Assertion (A) : Food is pushed down the food pipe which runs through the neck and chest
Reason (R) : The peristaltive movement of the wall of the food pipe is a continuous process.

ix. Assertion (A) : The small intestine is about 7.5m long and highly coiled.
Reason (R) : It is smaller as compared to large intestine.

x.Assertion (A) : Rumen is the first of four chambers of stomach of ruminants
Reason (R) : In rumen the food gets partly digested and is called cud.

Q3. Boojho took some grains of boiled rice in test tube 'A' and Paheli took boiled and chewed rice in test tube 'S'. Both of them poured 1-2 drops of iodine solution into the test tube and observed the color change. What color change would they have observed? Give reasons for your Answer.

Q4. Boojho and Paheli were eating their food hurriedly so that they could go out and play during the recess. Suddenly, Boojho started coughing violently. Think of the reasons, why he was coughing and discuss with your friends?

Q5. Draw the labeled diagram of tongue showing different region for taste buds.

FUN FILLED ACTIVITY SECTION

ACTIVITY:

Plant Nutrient Chart

Objective: To understand the nutrients required by plants for growth and development.

Materials Needed:

- ❖ Chart paper
- ❖ Colored markers
- ❖ Pictures or drawings of different plants
- ❖ Pictures or drawings of foods representing different nutrients (e.g., fruits, vegetables, grains)

Instructions:

- ❖ Divide the chart paper into sections for different nutrients (e.g., carbohydrates, proteins, fats, vitamins, minerals).
- ❖ Draw or paste pictures of different plants in the center of the chart.
- ❖ Around each plant, draw or paste pictures of foods that are rich in the corresponding nutrients needed by the plant.
- ❖ Use colored markers to label each section and add fun facts about each nutrient and its role in plant growth.
- ❖ Be creative with your drawings and use different colors to make the chart visually appealing.

MATHS

SELF ASSESSMENT SECTION

ASSIGNMENT

Worksheet 1

1. The sum of two integers is zero, if one of them is -5, then other is:
 - a) 2
 - b) -5
 - c) 5
 - d) 0
2. Successor of -199 is:
 - a) -198
 - b) 0
 - c) -200
 - d) +200
3. Predecessor of zero is:
 - a) 1
 - b) -1
 - c) 2
 - d) -2
4. $-3 \times 4 =$
 - a) -3
 - b) -4
 - c) -12
 - d) 12
5. Difference between 43 degree Celsius and -17 degree Celsius is :
 - a) -26 degree Celsius
 - b) -60 degree Celsius
 - c) 60 degree
 - d) 26 degree Celsius

6. Product of two numbers is -5. If one of them is 1, the other is:
- a) -5
 - b) 5
 - c) 1
 - d) -1
7. Product of two numbers is zero. If one of them is -567, other one is:
- a) 0
 - b) 567
 - c) 1
 - d) -1
8. $(-12) \times \{[5+(-5)]\} =$
- a) -12
 - b) 12
 - c) 0
 - d) -1
9. If $a \times (-1) = 22$ then a is:
- a) -22
 - b) 22
 - c) 1
 - d) -1
10. $(-1) \times 75$ is equal to:
- a) -5
 - b) -75
 - c) 75
 - d) 5
11. Find the product using suitable property.
- a) $46 + (-79) \times (-46)$
 - b) $(-17) \times (-29)$
12. A cement company earns a profit of Rs 8 per bag of white cement sold and a loss of Rs 5 per bag of grey cement sold.

- a) The company sells 3000 bags of white cement and 5000 bags of grey cement in a month. What is its profit or loss?
- b) What is the number of white cement bags it must sell to have neither profit nor loss, if the number of grey bags sold is 6400 bags?
13. In a class test containing 10 questions, 5 marks are awarded for every correct answer and (-2) marks are awarded for every incorrect answer and 0 for questions not attempted.
- a) Mohan gets four correct and six incorrect answers. What is his score?
- b) Reshma gets five correct answers and five incorrect answers, what is her score?
- c) Heena gets two correct and five incorrect answer out of seven questions she attempts. What is her score?
14. Evaluate the following:
- a) $26 + [(-13) \div (1)]$
- b) $[(-20) + 5] \div [(-5) + (2)]$
15. An elevator descends into a mine shaft at the rate of 6m/min. If the descend starts from 10 m above the ground level, how long will it take to reach -350 m?

Worksheet 2

1. $(\frac{1}{2}) \times (1/7) = \blacksquare \times 1/2$
- a) $1/7$
- b) $1/2$
- c) $1/14$
- d) $2/14$
2. A fraction equivalent to $5/7$ is:
- a) $35/25$
- b) $25/35$
- c) $5/35$
- d) $25/7$
3. $1/2$ of 400 is:
- a) 200
- b) 100
- c) 800

- d) None
4. If Reena paints a blackboard in $\frac{1}{6}$ hr, how much time will she take to paint 6 such blackboards.
- a) 10 hr
b) 6 hr
c) 5 hr
d) 1 hr
5. A 20 litre bucket is $\frac{3}{5}$ full of milk. The amount of milk in the bucket is:
- a) 12 litres
b) 20 litres
c) 25 litres
d) 9 litres
6. Which of the following is not equivalent to $\frac{3}{5}$.
- a) $\frac{6}{10}$
b) $\frac{4}{10}$
c) 1220
d) $\frac{21}{35}$
7. $\frac{3}{2} \div 1$ is equal to:
- a) $\frac{2}{3}$
b) $\frac{3}{2}$
c) 1
d) None
8. $(\frac{3}{4}) \div 3$ is:
- a) $\frac{1}{4}$
b) 1
c) $\frac{4}{3}$
d) $\frac{9}{4}$
9. $(\frac{6}{7}) / (\frac{6}{7})$ is:


- a) 0
- b) $\frac{6}{7}$
- c) $\frac{7}{6}$
- d) 1

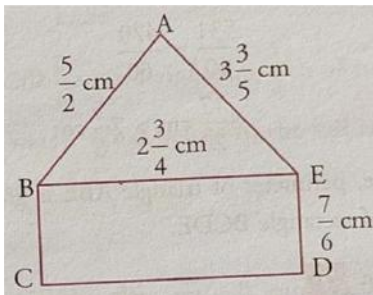
10. $\frac{3}{4} + \frac{1}{4}$ is equal to:

- a) 0
- b) $\frac{3}{4}$
- c) 1
- d) $\frac{4}{3}$

11. A rectangular sheet of paper is $12\frac{1}{2}$ cm long and $10\frac{2}{3}$ cm wide. Find its perimeter.

12. Find the perimeter in the given figure:

- a)  ABE,
- b) The rectangle BCDE and
- c) Whose perimeter is greater?



13. Vidya and Pratap went for a picnic. Their mother gave them a bottle that contained 5 litres of water. Vidya consumed $\frac{2}{5}$ of the water. Pratap consumed remaining water.

- a) How much water did vidya drink?
- b) What fraction of the total quantity of water did Pratap drink?

14. Product of two fractions is $\frac{3}{4}$. if one of the fraction is $7\frac{1}{2}$, then find the other fraction.

15. Simplify:

- a) $\frac{1}{6} \div \frac{9}{2}$
- b) $2\frac{1}{2} \div \frac{3}{5}$

FUN FILLED ACTIVITY SECTION

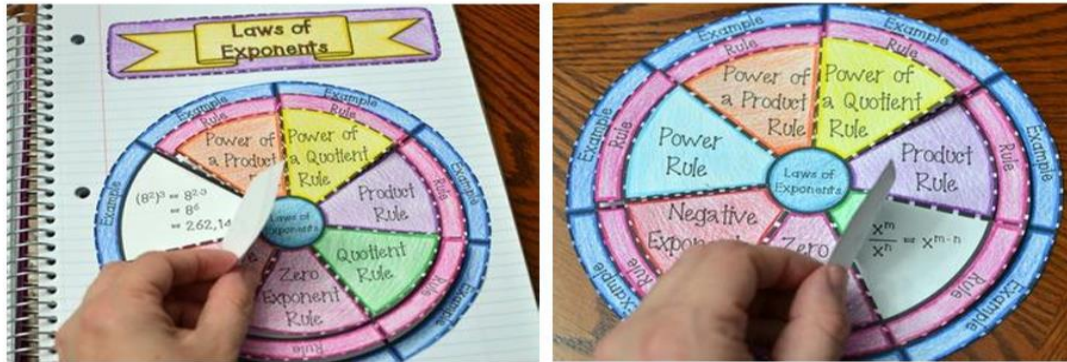
Activity 1: Math wheel foldable

“A Foldable is a 3-D, student-made, interactive graphic organizer based upon a skill. Making a Foldable gives students a fast, kinaesthetic activity that helps them organize and retain information.” Foldable are one of many techniques that can be used to integrate reading,

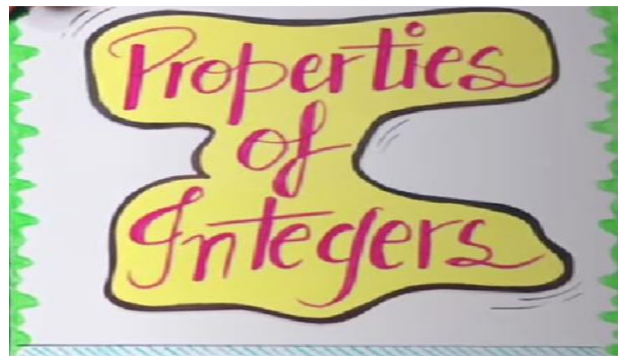
writing, thinking, organizing data, researching, and other communication skill into an interdisciplinary mathematics curriculum.

Make a math wheel foldable on the following topic:

1. Fractions / Types of fractions



2. Make a greeting card on properties of integers



SOCIAL SCIENCE

SELF ASSESSMENT SECTION

ASSIGNMENTS:

Q1. Multiple choice questions.

- a. Katha sarita sagar is a collection of :
- i) Historical works ii) folk lore iii)autobiography iv) bi-ography
- b. Islam was introduced in India in the :
- i) 7TH ii) 8TH iii) 9TH iv) 12TH
- c. Dantidurga was the founder of the _____ dynasty
- i) Chera Pandya ii)Rashtrakuta iii)Pandya iv) Palas
- d. Which of the following is the part of a mountain vegetation?
- i) Deodar ii)Keekar iii) Cactus iv)None of these
- e. The over exploitation and pollution of the environment has led to its :
- i) Degradation ii)destruction iii) imbalance iv)all of these
- f. Universal adult franchise is based on the idea of equality as :
- i) It grants everyone equal access to public areas
- ii) It grants every adult one vote
- iii) It holds all the citizens equal before law
- iv) None of these

Q2. Read the following passage and answer the questions that follow:

Muhammad Ghori first captured Multan and went on to conquer Lahore, Sindh, and Punjab. His aggressive expansion into India brought him into conflict with Prithviraja Chauhan, Who ruled over Delhi at the time. The conflict ultimately led to the First Battle of Tarain in ad 1191. Ghori was defeated in the battle, but soon regrouped his forces and attacked Prithviraja the very next year in the second Battle of Tarain. Prithviraja turned to neighboring rulers for help, many of whom came to his support. However, Jaichand, the powerful ruler of Kannauj, did not help Prithviraja. Hence, the Second Battle of Tarain ended with the defeat of Prithviraja. Sometime later, Ghori defeated Jaichand of Kannauj. This marked the end of the Rajput rule in North India. Ghori left the responsibility of further conquest on his general Qutbuddin Aibak. Aibak declared himself the sultan of Delhi after Ghori's death.

1. Why did Muhammad Ghori have a conflict with Prithviraja Chauhan?

2. What marked the end of the Rajput rule in north India?

3. What happened after the death of Muhammad Ghori?

Q3. Give the correct term for the following:

- a. All living elements present on the Earth.
- b. The water portion of the Earth.
- c. The interdependence of natural components of environment form.
- d. The theory advanced by scholars that Rajput were born of the sacred fire.
- e. Title of King Mihir Bhoja.
- f. The study of coins.
- g. A document that lays down all the rules and regulations that the citizens of a country have to follow.
- h. Supremacy of Law.

Q4. Answer the following questions.

- a. Mention the different features of democracy.
- b. How does the atmosphere help to sustain life on our planet?
- c. What is the difference between the work done by the MLAs in the assembly and the work done by government departments?
- d. How did the Samantas become powerful?
- e. Why the king did engraved inscriptions?
- f. Describe different types of government of the world?

Assignment -2

Q1. Assertion and Reason :

The questions given below consist of statements of an Assertion and a Reason. Use the following key to choose an appropriate answer :

- a.) Only A is correct and R is not the explanation of A
- b.) Only R is correct
- c.) Both are incorrect
- d.) Only A is correct and R is the explanation of A.

A . Assertion(A): All celestial bodies have their own heat and light.

Reason(R): Some celestial bodies are lit by the light of the stars. Such bodies are called planets.

B. Assertion(A): The sun is in the centre of the solar system.

Reason(R): It provides the pulling force that binds the solar system. The sun is the ultimate source of heat and light for the solar system.

C. Assertion(A): All eight planets of the solar system move around the sun in a fixed path.

Reason(R): These elongated paths are called orbits. Mercury is the nearest to the sun.

D. Assertion (A) : India is considered as a democratic country because every person is equal in the eyes of law.

Reason (R) : A person having a high qualification degree and who belongs from the higher caste gets all the opportunities in India.

E. Assertion (A) : Midday meal has a positive impact in the education system of India. The attendance of schools has improved and children have learned to respect each other's caste as they are served food together.

Reason (R) : Earlier children had to go for lunch during the school hours and then not return to school which affected their studies. Midday meal has also helped children in concentrating in their studies which was not possible because of an empty stomach.

F. Assertion (A) : Though discrimination is against law, there are many people who discriminate against people on the basis of caste, religion, gender etc because they are not aware of the fact that no one is inferior and everyone deserves to be respected.

Reason (R) : The only way through which discrimination can be removed is by forcing people to respect everyone and treat everyone equally.

Q2. Fill in the blanks:

- An _____ is a system of government wherein a small group of people had complete political power.
- The _____ of India holds every citizen equal.
- _____ means no one is above the law.
- The foundation of the Pala dynasty was laid by a ruler called _____
- _____ were the first muslim invaders to set their sights on the subcontinent
- A _____ refers to an empire spanning many regions.
- The lithosphere is made up of _____
- _____ environment is the system that supports life.

Q3. Read the passage and answer the following questions:

The Rights of Persons with Disabilities (RPwD) Act was enacted in the year 2016 and came into force from 19th April, 2017. It replaced the Persons with Disabilities (Equal Opportunities, Protection of Rights and Full Participation) Act, 1995. The objective of the RPwD Act is to ensure that all persons with disabilities can lead their lives with dignity, without discrimination and with equal opportunities. The Act lays down specific provisions to uphold such rights. It incorporates the rights of persons with disabilities covered under the United Nations Convention on the Rights of Persons with Disabilities (UNCRPD), to which India is a signatory. Some rights are:

- Persons with disabilities have the right to equality, dignity and respect for integrity.
- Persons with disabilities have the right to live in the community.
- The Act provides protection to persons with disabilities from being subjected to torture, cruel, inhuman or degrading treatment.
- The Election Commissions to ensure that persons with disabilities can cast their vote.

e. The Act ensures protection of persons with disabilities from abuse, violence and exploitation.

1 . When was the Rights of Persons with Disabilities (RPWD) Act enacted?

2. What rights does this Act guarantee?

3. Which previous Right was replaced by this Act?

FUN FILLED ACTIVITY SECTION

ACTIVITIES: (Do any one)

1. Interior of Earth:

Art and Craft Activity: Create a layered Earth model using colored paper or cardboard. Cut out circles of varying sizes to represent the layers (crust, mantle, outer core, inner core). Assemble the layers and label them accordingly.

Painting Activity: Paint a cross-section of the Earth showing the layers. Use different colors to represent each layer and add details such as rock formations or magma flow to make it more realistic.

Sculpture Activity: Use modeling clay to sculpt a small-scale model of the Earth's interior. Mold each layer separately and then stack them to create a 3D representation.

2. Sources of Medieval History of India:

Mixed Media Activity: Use a combination of drawing, painting, and text to create a visual representation of a specific source of medieval Indian history. For example, create a painting of a historical monument with inscriptions and coins incorporated into the artwork.

Historical Artifact Activity: Choose a specific source (e.g., a coin or inscription) and create a replica using clay or papier-mâché. Decorate it to look like the original artifact and write a short explanation of its historical significance.

3. Democracy V/S Dictatorship:

Poster Making Activity: Create a poster comparing democracy and dictatorship. Use colors, symbols, and illustrations to highlight the differences between the two forms of government. Include key points about governance, citizen rights, and political freedom.

Political Cartoon Activity: Draw a political cartoon that satirizes either democracy or dictatorship. Use exaggeration and humor to highlight the strengths or weaknesses of each form of government.

GENERAL KNOWLEDGE

SELF ASSESSMENT SECTION

ASSIGNMENT 1:

FIND OUT ON YOUR OWN:

1. **Who was the first Prime Minister of India?**
 - A) Mahatma Gandhi
 - B) Jawaharlal Nehru
 - C) Subhash Chandra Bose
 - D) Sardar Vallabhbhai Patel
2. **The Indus Valley Civilization flourished in present-day:**
 - A) Pakistan B) India C) Nepal D) Bangladesh
3. **The famous 'Red Fort' in Delhi was built by:**
 - A) Shah Jahan B) Akbar C) Babur D) Aurangzeb
4. **The Indian state known as the 'Land of Five Rivers' is:**
 - A) Punjab B) Kerala C) Bihar D) Gujarat
5. **The author of the famous Indian epic, the Ramayana, is:**
 - A) Kalidasa B) Tulsidas C) Valmiki D) Veda Vyasa
6. **Who was known as the 'Father of Indian Constitution'?**
 - A) Mahatma Gandhi B) Jawaharlal Nehru C) Dr. B.R. Ambedkar D) Sardar Vallabhbhai Patel
7. **The famous monument 'Taj Mahal' is located in which Indian city?**
 - A) Delhi B) Agra C) Jaipur D) Mumbai
8. **The Indian state with the highest population is:**
 - A) Maharashtra B) Uttar Pradesh C) Bihar D) Madhya Pradesh
9. **The longest river in India is:**
 - A) Brahmaputra B) Godavari C) Ganges D) Yamuna
10. **The national emblem of India is:**

A) Lotus B) Peacock C) Lion Capital D) Tricolor Flag

11. The 'Quit India Movement' was launched in:

A) 1939 B) 1942 C) 1947 D) 1950

12. The famous Indian mathematician who introduced the concept of zero is:

A) Aryabhata B) Brahmagupta C) Bhaskara I D) Varahamihira

13. The highest mountain peak in India is:

A) Kanchenjunga B) Mount Everest C) Nanda Devi D) Annapurna

14. The Indian state famous for its tea gardens is:

A) Assam B) Tamil Nadu C) Kerala D) Karnataka

15. The author of the famous Indian novel 'Midnight's Children' is:

A) Salman Rushdie B) Arundhati Roy C) Vikram Seth D) R.K. Narayan

16. The Indian state known as the 'Land of Lakes' is:

A) Goa B) Kerala C) Jammu and Kashmir D) Madhya Pradesh

17. The first woman Prime Minister of India was:

A) Indira Gandhi B) Sonia Gandhi C) Mamata Banerjee D) Mayawati

18. The famous Indian festival celebrated with colors is:

A) Diwali B) Holi C) Eid D) Dussehra

19. The famous Indian monument 'Qutub Minar' is located in:

A) Mumbai B) Delhi C) Jaipur D) Kolkata

20. The Indian freedom fighter known as 'Netaji' was:

A) Jawaharlal Nehru B) Mahatma Gandhi C) Subhash Chandra Bose D) Bhagat Singh

Assignment 2:

- Explain the impact of climate change on global food security.
- Discuss the significance of renewable energy sources in combating climate change.
- Analyze the role of social media in shaping political opinions and movements.
- Describe the major causes and consequences of the recent global economic slowdown.
- Evaluate the importance of sustainable development goals in promoting a more equitable world.

- Discuss the challenges and opportunities of digital education in the modern era.
- Explain the concept of gender equality and its relevance in contemporary society.
- Analyze the impact of globalization on cultural diversity.
- Discuss the role of youth in promoting peace and security globally.
- Describe the major environmental issues facing your local community and suggest solutions to address them.

Reasoning Questions:

- ❖ If the average temperature of a region has increased over the past decade, what are some possible effects on the ecosystem?
- ❖ How would you explain the concept of 'fake news' to someone unfamiliar with the term?
- ❖ If a country invests heavily in renewable energy, what are some potential economic benefits it might experience?
- ❖ How does access to education impact a country's overall development?

FUNFILLED ACTIVITY SECTION

ACTIVITIES:

Design a board game based on global issues, with questions and challenges related to geography, history, and current events.

EXAMPLE OF A BOARD GAME WITH INSTRUCTIONS:

Title: Global Quest

Objective: Travel around the world, answering questions and overcoming challenges related to geography, history, and current events to become a global champion!

Materials Needed:

Game board with a world map

Question cards (geography, history, current events)

Challenge cards (physical challenges, puzzles, etc.)

Player tokens

Dice

Instructions:

Setup: Place the game board in the center of the playing area. Shuffle the question and challenge cards separately and place them face down on their designated spaces on the board. Each player chooses a token and places it on the "Start" space.

Gameplay: Players take turns rolling the dice and moving their token the corresponding number of spaces. When a player lands on a space, they draw either a question card or a challenge card, depending on the space they landed on.

Question Cards: If a player draws a question card, they must answer the question related to geography, history, or current events. If they answer correctly, they can roll again. If they answer incorrectly, they must stay on the same space until their next turn.

Challenge Cards: If a player draws a challenge card, they must complete the challenge (e.g., solve a puzzle, perform a physical task). If they successfully complete the challenge, they can roll again. If they fail, they must stay on the same space until their next turn.

Example Question:

Category: Geography

Question: What is the capital of Australia?

Answer: Canberra

Winning the Game: The first player to reach the "Finish" space after completing all challenges and answering all questions correctly wins the game.

Additional Notes:

- ❖ For added difficulty, players can be required to answer questions or complete challenges from specific regions they land on.
- ❖ The game can be customized with different question and challenge cards based on the age group or level of knowledge of the players.

MORAL EDUCATION

SELF ASSESSMENT SECTION

ASSIGNMENT:

1. It is important to have a good to be successful in your career.

- i. Appearance ii. Attendance iii. Attitude iv. Respect

2. It is important to be at work every day and on time unless you are sick or have a family emergency.

- i. Appearance ii. Attendance iii. Attitude iv. Respect

3. Strong means you have a high sense of moral and ethical behavior that earns respect of others.

(a) Cooperation

(b) Confidence

(c) Attitude

(d) Character

4. _____ is essential at work because you must be able to work with others, especially if you don't always agree with them.

- i. Communication ii. Cooperation iii. Honesty iv. Integrity

5. Skills such as writing, speaking and body language are important work ethics so that you can be clear in your messages to others.

- i. Communication ii. Cooperation iii. Honesty iv. Integrity

6. You are a person with a high level of .if you stand by your values even if others put pressure on you to do something that is wrong or if they make fun of you.

- i. Communication ii. Cooperation iii. Honesty iv. Integrity

7. If you don't have you can really get in trouble for lying, cheating or deceiving others.

- i. Communication ii. Cooperation iii. Honesty iv. Integrity

8. Nepotism is.....

(a) Hiring friends or relatives and showing favoritism work

(b) Being autocratic in decision making

(c) Harassment of co-workers

(d) Undermining the morale of workers

9. The Ethical Skill is

- (a) Tidy Appearance
- (b) Good relationship
- (c) Code of conduct
- (d) Concentration

10. Ethics term is derived from Greek word...

- (a) Ethos
- (b) Ethnicity
- (c) Ethnocentric
- (d) None of the above

11. A written statement of policies and principles that guides the behavior of all employees is called

- (a) Code of ethics
- (b) Word of Ethics
- (c) Ethical Dilemma
- (d) None of the above

FUN FILLED ACTIVITY SECTION

ACTIVITY: (Do any one)

Reflective Journal: Write a journal entry reflecting on a time when your attitude positively or negatively impacted a situation at school or home. Discuss what you learned from the experience.

Interview Assignment: Interview a family member, friend, or teacher about the importance of respect in their life and summarize their responses.

Art Project: Create a poster illustrating the importance of attendance in achieving success. Use colors and images to convey your message effectively.

Scenario Analysis: Write a short story or dialogue where characters demonstrate the value of cooperation in resolving a conflict or achieving a goal.

COMPUTER SCIENCE

SELF ASSESSMENT SECTION

ASSIGNMENT:

Number System:

- ❖ Define a binary number system. How is it different from the decimal number system?
- ❖ Convert the following binary numbers to decimal: 1011, 1101, 10001.
- ❖ Convert the following decimal numbers to binary: 25, 46, 78.
- ❖ What is the hexadecimal number system? Explain its advantages over the binary number system.

Formulas in Excel:

- ❖ Explain the concept of cell referencing in Excel formulas.
- ❖ What is the difference between relative and absolute cell referencing? Provide examples.
- ❖ Create a simple formula in Excel to calculate the sum of cells A1 to A5.
- ❖ How can you apply the same formula to a range of cells in Excel?

Functions in Excel:

- ❖ What are Excel functions? Provide examples of some common functions.
- ❖ Explain the IF function in Excel with an example.
- ❖ How can you use the VLOOKUP function in Excel? Provide a scenario where it would be useful.
- ❖ Describe the CONCATENATE function in Excel. Provide an example of its usage.

Charts in Excel:

- ❖ What are the different types of charts available in Excel? Briefly explain each type.
- ❖ Create a pie chart in Excel using the data: Category A - 30%, Category B - 25%, Category C - 45%.
- ❖ Explain the steps to create a bar chart in Excel. Use any set of data to demonstrate.

ACTIVITY:

Number System: (Do any One)

Activity 1: Take a number and represent it in different forms such as expanded form, word form, and standard form.

Activity 2: Create a number line and place both positive and negative integers on it. Use different colors to distinguish between positive and negative numbers.

Activity 3: Solve word problems involving addition, subtraction, multiplication, and division of integers. Represent your solutions on a number line.

Formula Functions: (Do any one)

Activity 4: Create a home budget for a hypothetical event or project using Excel. Use formulas to calculate the total expenses, total income, and net profit or loss.

Activity 5: Create a simple grade calculator in Excel. Input the marks obtained in different subjects and use formulas to calculate the total marks, percentage, and grade.

DRAWING

Do any two

Creative Recycling: Using recycled materials (e.g., old newspapers, cardboard, plastic bottles), create a model of a waste water treatment plant. Label the different components and explain their functions.

Nature's Fury: Draw and color a scene depicting a dust storm formation in a desert area during summer days. Use pastels to capture the intensity and movement of the storm.

Artistic Reflection: Write a short paragraph reflecting on the process of creating your drawings. Discuss any challenges you faced and how you overcame them, as well as what you learned from the experience.

