



DELHI
PUBLIC
SCHOOL
Kolar Road

SUMMER *Holidays*

HOMELWORK

CLASS
VII



Laying the foundation of excellence

PREFACE

Dear Parents and Students,

It is summer vacation time again, a time to relax as well as to remain fruitfully occupied in various scholastic and co-scholastic areas. Keeping this in mind, we have designed interesting Projects / Assignments to be completed during the summer vacation. This would encourage in-depth learning, strengthen concepts and prepare ground for improved academic output.

The Holiday Home Work Projects are 'Art Integrated' as per the CBSE Guidelines. This art-integrated approach will help our students understand the diverse Indian art and culture and they will imbibe the Indian ethos through integration of Indian art and culture.

The states which are integrated by CBSE are **Madhya Pradesh and Bihar.**

These projects will be assessed as Subject Enrichment Activity for Term I.

As parents, kindly motivate and lend support to your children and ensure that they complete the given work well-in-time and to the best of their ability. Your encouragement can actually make a huge difference to the ultimate learning outcome of these projects.

Guidelines for Holiday Home Work: -

- All projects / Homework to be done as specified.
- Work to be done neatly, creatively and relevant to the question given.
- Parental supervision is advised and required while surfing the internet.


Principal
DPS Kolar Road

ENGLISH

Task 1: My Mini Newspaper

Students will create their own newspaper to build up their writing skills, enhance creativity, and awareness of current events. [6 Pages]

Page 1 - Self introduction and Name of the Newspaper

Page 2 - Four Headlines (Two National and Two International)

Page 3 - One short News article 'AI and it's benefits' / ' Sports in schools are a blessings'

Page 4 – Biography of the great author from Bihar, Amitava Kumar (Word limit 80-100 words).

Include:

- Place and year of birth
- Early life (any interesting fact)
- Famous works
- Themes of writing (Writing Style)
- Awards or achievements

Page 5 - Four Sports NEWS (Two National and Two Local)

Page 6- Comic Strip (Chapter 1 of your Supplementary Reader)

Page 7- Puzzles (Crossword/Word Grids/Word maze)

Use 10 highlighted words of Lesson 1 from your Literature Book (Puzzles)

(Read the Supplementary Reader, Little Women by Louisa May Alcott)

Task 2: Mask Making Activity

English Authors & Story Characters

Make a mask of any English story character, or any one author from the list below:

Authors:

- Ruskin Bond
- Roald Dahl
- Sudha Murthy
- R. K. Narayan
- Charles Dickens
- William Shakespeare

Instructions:

Use chart paper or cardboard and colours

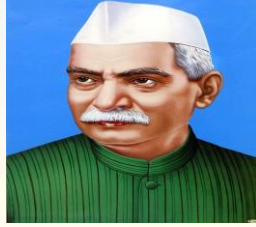
Presentation: Write 4–5 lines about: The character/author why you chose it

HINDI

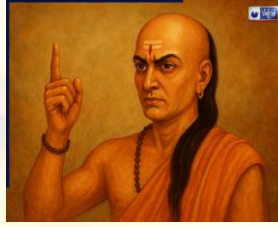
बिहार और मध्य प्रदेश भारत की पहचान और गौरव के महत्वपूर्ण हिस्से हैं। ये दोनों राज्य अपनी समृद्ध संस्कृति, परंपरा, शिक्षा और इतिहास के लिए प्रसिद्ध हैं। यहाँ अनेक महान विभूतियों का जन्म हुआ जैसे-

बिहार से -

1. डॉ. राजेंद्र प्रसाद (भारत के प्रथम राष्ट्रपति)



2. चाणक्य (महान शिक्षक और अर्थशास्त्री)

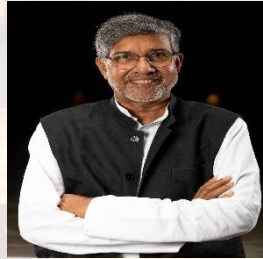


मध्यप्रदेश से -

1. अहिल्या बाई होल्कर (मालवा साम्राज्य की महारानी)



2. कैलाश सत्यार्थी (सामाजिक कार्यकर्ता)



दोनों राज्यों में से किसी एक-एक महान व्यक्तित्व का जीवन परिचय देते हुए उनके जीवन से जुड़े किसी एक प्रसंग को अपने शब्दों में लिखिए, जिसने आपको सबसे अधिक प्रभावित किया। आप उनके किन गुणों को अपनाना चाहेंगे? कारण बताते हुए स्क्रेप बुक में लिखिए।

FRENCH

1. Prepare a recipe book in french including french cuisines like salade, soup, omelette, croissant etc. Choose any five cuisines of your choice and make it creative with pictures. Use "l'impératif" to write the recipe.
2. Learn and write the conjugation of the following verbs in your notebook - Être, avoir, aller, faire, acheter, jeter, finir, Choisir, Envoyer, nettoyer, vendre, prendre, boire, voir, vouloir.

SANSKRIT

- (1) नीचे दिए गए चित्र को देखकर मञ्जूषा की सहायता से पाँच वाक्यों में वर्णन कीजिए-



(मञ्जूषा - वृक्षाः, सिद्धार्थः, हंसः, पुष्पाणि, विकसन्ति, शिला, धनुः, सैनिकः, बाणः)

नोट - यह गृहकार्य स्क्रेप बुक (Scrapbook) में करें ।

MATHEMATICS

"Mathematics is the language with which we understand the patterns and structures of the world around us."

Mathematics is not just a subject but a tool that helps us understand and build the world around us. One of the most important shapes we see in daily life is the Triangle. From bridges and buildings to kites and signboards, triangles provide strength, support, and balance. By learning their properties, we can better appreciate their importance in real life structures and designs.

Keeping this in mind, your holiday homework is designed to help you explore important properties of triangles through a hands-on working model.

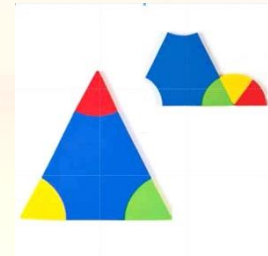
Topics Assigned:

Roll No. 1 to 16:

Angle Sum Property of a Triangle

(Reference link:

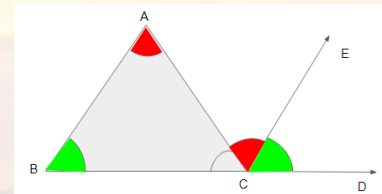
https://youtube.com/shorts/hFkMY6mzAKo?si=5_e9vli6YWYjL7dI)



Roll No. 17 to 32:

Exterior Angle Property of a Triangle

(Reference link : <https://youtube.com/shorts/JzMVJ-L8f8U?si=VzvyRWsiZ4skngz0>)



Instructions (Working Model):

1. Prepare a working model to demonstrate your assigned property.
2. Your model should clearly show how the property works (using paper folding, cut-outs, movable parts, etc.).

Submission Details:

- Bring your working model on the first day after the holidays.
- Ensure it is complete, functional, and well-prepared.
- Let this holiday be a chance to learn by creating and discovering how mathematics comes alive through models and real-life applications.
- Happy Learning!

Instruction:

Students are required to complete the holiday homework worksheet neatly on A4 ruled sheets and submit it in a transparent file folder by 22nd June 2026.

Mathematics Worksheet
Chapter 1 Large Numbers Around Us &
Chapter 2 Arithmetic Expressions

Section A: Multiple Choice Questions

1. The place value of 8 in 6,18,45,092 is:
 - a) 8,00,000
 - b) 80,000
 - c) 8,000
 - d) 80,00,000
2. Which of the following is the nearest value of 7,49,876 when rounded to the nearest lakh?
 - a) 8,00,000
 - b) 7,00,000
 - c) 7,50,000
 - d) 6,00,000
3. Evaluate: $36 \div 6 \times 4 + 5$
 - a) 24
 - b) 20
 - c) 29
 - d) 17
4. Which of the following numbers is the greatest?
 - a) 8,09,999
 - b) 8,90,099
 - c) 8,99,009
 - d) 8,09,990
5. Estimate the sum: $4,98,765 + 2,01,234$ (nearest thousand)
 - a) 6,90,000
 - b) 7,00,000
 - c) 7,10,000
 - d) 6,80,000

Section B: Assertion and Reason

Directions: Choose the correct option

- a) Both A and R are true and R is the correct explanation
 - b) Both A and R are true but R is not the correct explanation
 - c) A is true but R is false
 - d) A is false but R is true
6. Assertion: 9,87,654 rounded to the nearest ten thousand is 9,90,000
Reason: If the thousands digit is 5 or more, the ten-thousands digit is increased by 1

7. Assertion: $24 \div 6 \times 2 = 2$
Reason: Division is always performed before multiplication
8. Assertion: 1 million = 10,00,000
Reason: In the international system, digits are grouped in sets of three
9. Assertion: $(15 + 5) \times 2$ is not equal to $15 + 5 \times 2$
Reason: Brackets change the order of operations
10. Assertion: The estimated sum of numbers is always equal to the actual sum
Reason: Estimation involves rounding numbers to nearby values

Section C: Find the Errors and write the correct solution

11. $25 + 10 \times 2 - 5$
 $= (25 + 10) \times 2 - 5$
 $= 35 \times 2 - 5$
 $= 70 - 5$
 $= 65$
12. $(40 + 20) \div 5 \times 2$
 $= 40 + (20 \div 5 \times 2)$
 $= 40 + (4 \times 2)$
 $= 40 + 8$
 $= 48$
13. $3,45,600 + 2,54,400$
 $= 5,99,100$
 $= 6,00,000$
14. $100 - 20 + 5 \times 6$
 $= 80 + 30$
 $= 110$
15. $(50 \times 4) - (30 \div 5 \times 2)$
 $= 200 - (30 \div 10)$
 $= 200 - 3$
 $= 197$

Section D: Solve the Following

16. A school buys 15 packets of chalk, each containing 40 pieces. During use, 125 pieces break. How many pieces of chalk remain?
17. A warehouse stores 5000 items. It receives 3 shipments of 1250 items each and dispatches 2750 items. Find the final number of items in the warehouse.
18. Rohan buys 7 pens at ₹35 each and 5 notebooks at ₹60 each. He gives ₹500 to the shopkeeper. How much money does he get back?
19. A company manufactures 250 toys per day. In 8 days, it produces toys but 350 toys are rejected due to defects. How many toys are accepted?
20. A train travels 120 km in one hour. In 5 hours, it travels a certain distance. Due to delay, 80 km is reduced from the total planned distance. Find the actual distance travelled.
21. A number is multiplied by 25 and then 300 is added to it. If the original number is 40, find the final result.

22. The total number of students in 6 classes is 45 in each class. Out of them, 120 students participate in sports. How many students do not participate?

Section E: Estimation

23. Estimate the sum:
 $6,78,921 + 3,21,199$ (nearest lakh)
24. Estimate the difference:
 $9,45,210 - 4,49,870$ (nearest thousand)
25. Estimate the sum:
 $2,34,567 + 5,66,432$ (nearest ten thousand)

Section F: Case Study Questions

26. A developing smart city currently has a population of **48,75,000**. Due to rapid urbanization and better job opportunities, approximately **2,25,000 people migrate to the city every year**. The government is planning infrastructure such as roads, water supply, and housing based on the expected increase in population.
- Find the population after 2 years
 - Write the population after 2 years in words (Indian system)
 - Estimate the population after 2 years (nearest lakh)
 - Will the population exceed 50,00,000? Justify
27. During a festive season sale, an online shopping platform recorded **3,75,850 orders on Day 1**, **4,20,430 orders on Day 2**, and **5,10,275 orders on Day 3**. The company analyzes this data to improve delivery efficiency and warehouse management.
- Find the total number of orders in 3 days
 - Estimate the total orders (nearest lakh)
 - Find the difference between Day 3 and Day 1 orders
 - Which mathematical operations are used in solving this problem?
28. A school has allocated a total budget of **₹12,50,000** for development. Out of this, **₹4,75,000** is spent on infrastructure and **₹3,25,000** is spent on digital learning resources. The remaining amount is planned for sports facilities.
- Find the total amount spent
 - Calculate the remaining budget
 - Estimate the remaining budget (nearest lakh)
 - Write a mathematical expression for the situation
29. A spacecraft travels **8,75,000 km in one cycle** around the Earth. It completes **6 such cycles** during its mission. Scientists record the total distance to analyze fuel efficiency and mission success.
- Find the total distance travelled
 - Write the total distance in the international system
 - Express the total distance in expanded form
 - Is the total distance greater than 50,00,000 km?
30. A customer visits a store during a sale. She buys **4 items costing ₹125 each** and **3 items costing ₹210 each**. She wants to calculate the total bill.
- Find the total cost
 - Estimate the total cost (nearest hundred)
 - Which operations are used?
 - Is the estimated value close to the actual value? Justify.

SCIENCE

“Growing fruits is not just farming—it is cultivating health, taste, and prosperity.”

Commercial fruit crops or Horticulture is the economic engines of rural Bihar and Madhya Pradesh. While Bihar excels in high-value tropical fruits like Litchi, Madhya Pradesh has emerged as a powerhouse for citrus and arid-zone fruits.

Prepare a handbook including following details

1. Scientific name of the selected crop/fruit
2. Soil science and nutrition
3. Harvest technology
4. Pest challenges
5. Role in the state's economy

◆ **Roll No. 1–15:** Choose any one crop or fruit from Bihar

◆ **Roll No. 16 onwards:** Choose any one crop or fruit from Madhya Pradesh

Presentation Guidelines:

- Add drawings or pictures related to your crop/fruit
- Use clear headings and neat handwriting
- Make your handbook colorful and creative



SOCIAL SCIENCE

Mini Project File

Make a neat project of A4 sized 6 sheets with these sections:

- Introduction of the Mauryan Empire through map
- A brief introduction of the empire
- Life of Chandragupta Maurya
- Achievements of Ashoka
- Administration system
- A brief History about any two world heritage sites of one of Bihar and the other of Madhya Pradesh

Decorate your file with pictures and use colourful pens to make it attractive.

COMPUTER SCIENCE

1. Say What You See (Google experiment).

Purpose: To experience how NLP works to generate images from text.

<https://experiments.withgoogle.com/say-what-you-see>

Refer to Page No.11 of AI_Facilitators_Handbook_VII.pdf, and follow the activity guidelines. Read the given steps and, using the link provided open the Google experiment. Click on Launch experiment. Describe the image seen with suitable adjectives and submit it for AI to generate the image.

- ### 2. Make an informative, attractive and colourful chart using details and pictures on any two of the following topics, label your chart as Digital Defenders and submit the chart to the computer teacher.
- Cyber bullying
 - Phishing
 - Vishing
 - Smishing
 - Hacking
 - How to protect your devices and data using cyber security measures?

ART & CRAFT



Activity Name -Clay Mug Decoration

Material Required

- Air Dir Clay
- Fevicol
- Mug - 01

Link : <https://pin.it/7501QKsnl>
