

N.D. Jain School Bah (Agra)



The illustration features a bright blue sky with a smiling yellow sun in the top right. A pink kite with a yellow star is flying on the right. In the center, a white rectangular box with a scalloped border contains the text 'Summer Holiday Homework' in red and orange script. A small white bird is perched on the top left of the box. Below the box, a stack of books is shown on a sandy beach. The stack consists of a blue book on top, followed by an orange book, a red book, and a green book. An open book with white pages is placed on top of the blue book. To the left of the books is a white cup of tea. To the right is a pair of black-rimmed glasses. In the background, there are green bushes and a body of water under a blue sky with white clouds.

Summer Holiday Homework

Social Studies Holiday Homework

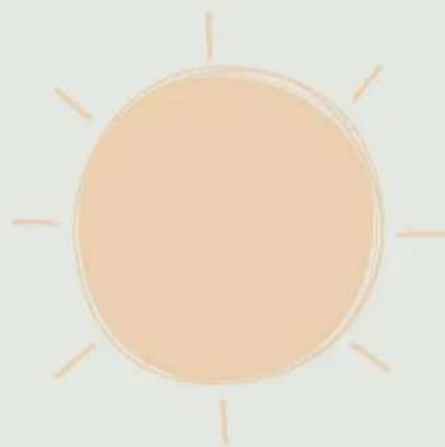
Q1 write some geographical features of India.

Q2 write a paragraph on "world environment day".

Q3 write about on a local historical place nearby you.

Q4 write about the fundamental rights of indian citizens given by our constitution.

Q5 draw a diagram of "Ecosystem" on a chart paper.



Sanskrit Holiday Homework

निम्नलिखित प्रश्नों के उत्तर दीजिए।

अरण्ये के-के निवसन्ति न

वन सम्पदा कस्य संपदा अस्ति ?

वन्य जीवनस्य समृतिः । कम् किम् अस्ती

के के नवाख्यानि गोसदम उच्यते ?

गुरु : आरुणिम् किम् आदिशत् ?

प्र०2. संस्कृत में वाक्य प्रयोग कीजिए ।

1. वनसंपदा 2. उत्तुगच्छन्ति 3. वनभोज

4. लपश्चरणम् 5. मन्त्रान 6. पुराकाले

7. अख्यम

प्र०3. दिये गये शब्दों विभक्ति और वचन लिखिरू ।

1. सर्वान 2. सर्वाणि

3. जलस्य 4. प्रसादेन 5. अस्मि



Gk/ Moral Holiday Homework

Q1- Write 7 wonders of the world.

Q2- Write 5 freedom fighters name.

Q3- Write any 5 cabinet ministers name

Q4- Write 5 National Highways

Moral

Write about Honesty in 50 words



Science Holiday Homework

Answer the following questions:-

1. Collect 15 leaves of different plants and paste them in your holiday note book and write down their name.
2. Describe the process of photosynthesis.
3. Describe the different types of teeth and their functions.
4. Write a note on different types of thermometers. Mention the reasons why mercury is used in the thermometers.
5. Define the following:
 - (i) conduction
 - (ii) convection
 - (iii) radiation
 - (iv) temperature

Mathematics Holiday Homework

1. Find each product:

(a) -7×-8 (b) -16×-12 (c) $8 \times -6 \times -7$ (d) $-9 \times -5 \times -2$ (e) $-1 \times -1 \times -1 \times -1$

2. Divide and find each quotient:

(a) $-63 \div (-9)$ (b) $128 \div (-16)$ (c) $-400 \div (-16)$

3. Evaluate:

(a) $10 + (-40) \div 8$ (b) $-7 \times 15 \div (-5)$ (c) $-72 \div (-9) \times 5$
(d) $20 + (7) \times 8 \div (-2)$

4. Convert into mixed fraction :

(a) $97/10$ (b) $81/22$ (c) $251/30$

5. Arrange in ascending order: $11/15$, $3/4$, $13/20$

Hindi Holiday Homework

1. निम्न लिखित प्रश्नों के उत्तर लिखिए:

- हँसना स्वास्थ्य के लिए किस प्रकार सहायक है? इस विषय पर अपने विचार व्यक्त कीजिए।
- आप अपने घर के बड़े लोगों से पूछकर लिखिए कि उनके जमाने में लोगों और बच्चों का रहन-सहन कैसा हुआ करता था और आज कैसा दिखाई दे रहा है? आप अपने जमाने में क्या नया करना चाहते हैं, तर्क सहित लिखिए।
- बोली किसे कहते हैं?
- संधि किसे कहते हैं? इसके कितने भेद होते हैं?

2. निम्न लिखित शब्दों की संधि कीजिए:

- (i) परम + ईश्वर =
- (ii) महा + उत्सव =
- (iii) भानु + उदय =
- (iv) चित्त + आज्ञा =
- (v) इति + आदि =



English Holiday Homework

Answer the following questions:

1. Define the noun and write its types with examples.
2. What is a sentence? Write its types with examples.
3. Define adjectives? Write its kinds with examples.
4. Write a short paragraph about your school.
5. Have you ever experienced something like Carlo? Recall and write in your own words.



Computer Holiday Homework

Topic: Number Systems

Class: VII

Part 1: Understanding the Basics (Research & Reading)

Your first mission is to become an expert on different number systems.

* The Decimal System (Our Everyday System):

- * What digits do we use in the decimal system?

- * What is the "base" of the decimal system? Why is it called "base-10"?

- * Give 5 examples of numbers you use every day that are in the decimal system.

* The Binary System (The Computer's System):

- * What digits are used in the binary system?

- * What is the "base" of the binary system? Why is it called "base-2"?

- * Why do computers use the binary system?

(Hint: Think about "on" and "off" switches!)

* Other Important Systems (Briefly):

- * Octal System: What is its base? What digits does it use?

- * Hexadecimal System: What is its base? What digits does it use? (Be careful, it uses letters too!) Why is it often used in computer science?

Resources for Research:

- * Your computer textbook
- * Educational websites (e.g., BBC Bitesize, Khan Academy - with parent's permission)
- * Educational videos on YouTube (search for "Number Systems for Kids" or "Binary Numbers Explained")
- * Ask your parents or an elder if they know about computer numbers!

Task: Create a short, informative report (handwritten or typed) summarizing your findings for Part 1. Include clear definitions and examples for each number system. You can even draw small diagrams to explain!

Part 2: Converting Numbers - Becoming a Translator! (Activity & Practice)

Now that you know the different languages, let's learn to translate!

* Decimal to Binary Conversion:

- * Learn how to convert a decimal number into its binary equivalent. (Hint: Use the division-by-2 method.)

* Practice: Convert the following decimal numbers into binary:

* 5_{10}

* 12_{10}

* 20_{10}

* 31_{10}

* 42_{10}

* Binary to Decimal Conversion:

* Learn how to convert a binary number into its decimal equivalent. (Hint: Use positional values and powers of 2.)

* Practice: Convert the following binary numbers into decimal:

* 101_2

* 1100_2

* 10101_2

* 11110_2

* 100000_2

Task: Show your working for all conversions. You can write these in a separate notebook or on a sheet of paper.