

**ARMY PUBLIC SCHOOL, AHMEDNAGAR**  
**HOLIDAY HOMEWORK**  
**(GRADE VIII)**



**ENGLISH HOLIDAY HOMEWORK- GRADE VIII (2022-23)**

**❖ READING:**

★ *You're Hired!*

Select a character from a book and consider what might be a good job for them. You can choose something completely suitable such as a security guard job for Superman or a more oddball approach such as a pastry chef.

Either way, you will have to write a letter from the perspective of this character and apply for a position.

Be sure to explain why your character would be great employee and what special skills they would possess to make them ideal for the role. Really sell your character explaining all the great attributes they possess.



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**❖ VOCABULARY:**

Write the required details for the following words like meaning, synonyms, antonyms, formation in different parts of speech, use in sentences, etc.

**threat, deficiency, amusement, arrangement, mercenary**

YOU CAN MAKE USE OF GIFs, PICTURES, A PPT OR HANDMADE DRAWING TO DESCRIBE THE WORDS.

**❖ WRITING:**

***"How will the war end-Russia Vs Ukraine?" Relate it to your lesson 'The Best Christmas Present In the World' and write an article.***

## READING- POEM

**Write critical analysis of any one poem.**

➤ **Nothing Gold Can Stay**

*-Robert Frost*

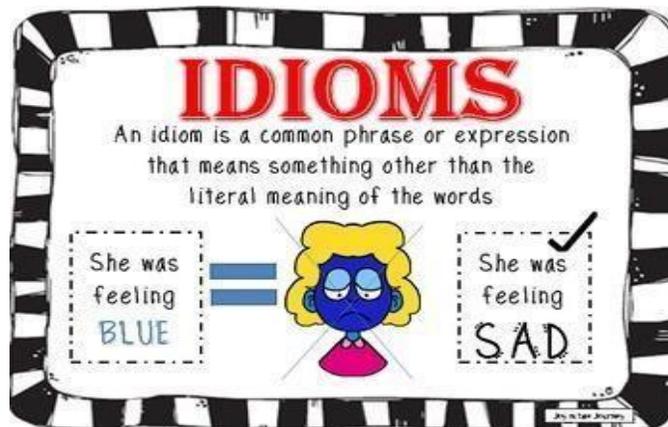
➤ **The Owl**

*-Edward Thomas*

➤ **Break, Break, Break**

*Alfred Lord Tennyson*

**Q1] Create a Cartoon Expression from the given idiom and write its meaning. Use it in a meaningful sentence of your own (ANY Five)**





Sample 2: - **ALL EARS** -

**Meaning** -To be waiting eagerly to hear about something.

**Sentence**- kids in my class were all ears when I was telling them story.

### TOPIC - OPPOSITE WORDS.

- **NOTE: Any 10 opposite words of your choice**
  - Students can take idea from the link given below:
    - <https://youtu.be/QIxQsVDDQow>

विषय -हिंदी

प्र.१. पारंपारिक व्यवसाय करनेवाले किसी भी एक व्यवसायिक से साक्षात्कार करके उनके व्यवसाय के बारे में जानकारी प्राप्त कीजिए।

(उदा. किसान,बढ़ई,लोहार, कुम्हार, दर्जी आदि। साक्षात्कार के समय अपने साथ उनकी फ़ोटो आवश्यक लीजिए।)

प्र. २.किसी भी एक ऐतिहासिक स्थल का सचित्र (अपना फ़ोटो लेकर) वर्णन अपने शब्दों में कीजिए।

प्र.३. हिंदी साहित्य के किसी भी रचनाकारों की दो कविताओं का लेखन कार्य करके कविता कंठस्थ कीजिए।

प्र.४. प्रतिदिन एक पृष्ठ सुलेख लेखन का कार्य कीजिए।

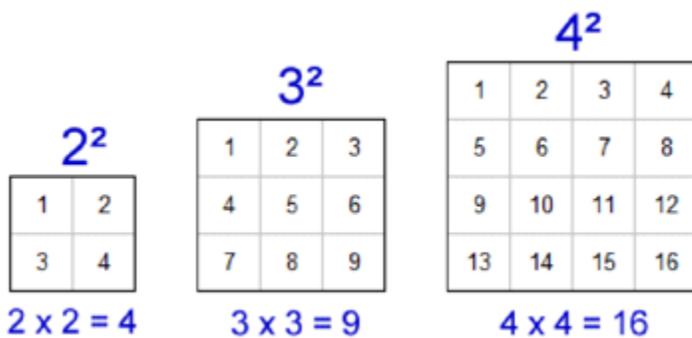
## Subject- Maths

1. Make a project on the nets of the following shapes; also verify the Euler's formula for each shape.

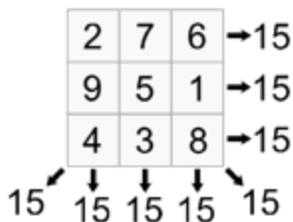
- a. Triangular Prism
- b. Cube
- c. Cylinder
- d. Tetrahedron
- e. Pentagonal Prism

2. Do As Directed:

Looking at the tables given below, make the grids for the square of 5, 7 and 8.



3. A grid with magic number 15 is given in the figure, where sum of the rows, sum of the columns and sum of diagonals is 15.



Prepare a grid with magic number 30. You can choose any set of number in sequence but number should not be repeated.

4. Make mathematical game (e.g. find the path) using questions based on basic concepts (minimum 15 questions) on chart paper.

5. ART INTEGRATED PROJECT:

MAKE WORKING MODEL FOR " FINDING THE SQUARES FOR GIVEN NUMBERS"

**WORKSHEET**  
**CHAP 6: SQUARE AND SQUARE ROOTS**

Q1. (i) If one number of the Pythagorean triplet is 6, then find the triplet.

(ii) If one number of the Pythagorean triplet is 9, then find the triplet.

Q2. Using properties of squares and square roots calculate:  $100^2 - 98^2$

Q 3. By what least number should 2028 be multiplied so that the product is a perfect square? Find the square root of the product so obtained.

Q 4. By what least number should 3528 be divided so that the quotient is a perfect square? Find the square root of the quotient so obtained.

Q 5. What least number must be added to 6412 to make the sum a perfect square? Find this perfect square and its square root.

Q 6. A sports teacher wants to arrange 6000 students in a field such that the number of rows is equal to number of columns. Find the number of rows if 71 were left out after arrangement.

Q 7. Express 16 as sum of odd numbers.

Q 8. Write down the following as sum of odd numbers.

(i)  $7^2$

(ii)  $9^2$

Q 9. Check whether (6, 8, 10) is a Pythagorean triplet.

Q 10. Using the prime factorization method, find which of the following numbers are not perfect squares.

(i) 768

(ii) 1296.

Q 11. Which of the following triplets are Pythagorean?

(i) (14, 48, 50)

(ii) (18, 79, 82)

Q 12. Find the least square number which is divisible by each of the number 4, 8 and 12.

Q 13. What is the least number that must be subtracted from 3793 so as to get a perfect square? Also, find the square root of the number so obtained.

Q 14. Find the least number which must be added to 1750 so as to get a perfect square. Also, find the square root of the obtained number.

Q 15. A gardener has 1000 plants. He wants to plant these in such a way that the number of rows and the number of columns remain the same. Find the minimum number of plants he needs more for this.

## CHAP 7: CUBE AND CUBE ROOTS

- Q 1. By prime factorization method, the cube root of 13824 is  
(A) 34 (B) 24 (C) 14 (D) 34.
- Q 2. The volume of a cube is  $9261000 \text{ m}^3$ . Find the side of the cube.
- Q 3. Divide the number 26244 by the smallest number so that the quotient is a perfect cube. Also find the cube root of the number obtained.
- Q 4. Find the smallest number by which 1188 should be divided to make a perfect cube.
- Q 5. Find the cube root of 5832 by prime factorization method.
- Q 6. Find the cube root of 2197 by estimation.
- Q 7. Which one of the following is a perfect cube.  
(A) 216 (B) 100 (C) 128 (D) 8130.
- Q 8. The cube of 5022 one's digit is  
(A) 8 (B) 9 (C) 4 (D) 6.
- Q 9. The smallest number which can be expressed as sum of two cubes in two different ways is  
(A) 1408 (B) 1178 (C) 1729 (D) 1658.
- Q 10. The cube of 149 one's digit is:  
(A) 2 (B) 9 (C) 3 (D) 1.
- Q 11. Find the cubes of the following:  
(A) 0.3 (B) 0.8
- Q 12. Parikshit makes a cuboid of plasticine of sides 5 cm, 2 cm, 5 cm. How many such cuboids will he need to form a cube?
- Q 13. You are told that 1,331 is a perfect cube. Can you guess without factorization what is its cube root? Similarly, guess the cube roots of 4913, 12167, 32768.
- Q 14. Find the cube root of 17576 through estimation.
- Q 15. Find the cube root of 17576 through estimation.

### Project on Ch.10 Visualising Solid Shapes



Make a 3d model of your dream park or school by using various geometrical shapes.



## **SCIENCE** **HOLIDAY HOMEWORK**

### **I) CONCEPT CARTOON**

**CREATE A CARTOON ON ANY ONE OF THE FOLLOWING CONCEPT ( USE DIGITAL MEDIUM ) ( USE INNOVATIVE DIALOGUES - DO NOT COPY PASTE FROM INTERNET )**

- 1) SOWING AND WEEDING**
- 2) DIFFERENT METHODS OF IRRIGATION**
- 3) FOOD PRESERVATION**
- 4) VIRUSES**
- 5) VACCINATION**

**II) MAKE A REPORT ON ANY ONE OF THE FOLLOWING HARVEST FESTIVALS ( SHOULD BE BASED ON YOUR PERSONAL EXPERIENCE ) :**

**THE REPORT MUST CONTAIN**

- A. INFORMATION AND IMPORTANCE OF THE FESTIVAL**
- B. YOUR PERSONAL WHILE CELEBRATING THE FESTIVAL**
- C. YOUR PHOTO OR VIDEO WHILE CELEBRATING THE FESTIVAL**

- 1) PONGAL**
- 2) BIHU**

- 3) SANKRANTI
- 4) BAISAKHI
- 5) GUDI PADWA

**III ) MAKING DIFFERENT ITEMS LIKE PLATES / BOWLS / BAGS / CUPS ETC....USING THE FOLLOWING LEAVES OF DIFFERENT KINDS.**

### **Social Science-**

To Run a Country, Ruling Party plans a budget., Similarly to run home monthly Budgets is prepared by your Parents.Preapare monthly Budget of May Month and find Net Amount required for one month.

**OR**

Design a preamble for your school abiding to all the rights and duties of all the students in school. You can also take hint from preamble of 'Constitution of India'.

### **Sanskrit-**

छात्र व्यवहार में आने वाली वस्तुओं की सूची बनाकर उनके संस्कृत में नाम चित्र के साथ लिखें। २) छात्र विभक्ति का प्रयोग करते हुए हर एक विभक्ति के लिए एक वाक्य ऐसे 10 वाक्य संस्कृत में लिखें।३) छात्र पुल्लिंग स्त्रीलिंग तथा नपुंसकलिंग शब्दरूपाणि लिखें।४) छात्र पंचतंत्र की कौन सी भी एक कहानी संस्कृत में लिखकर उसका चित्र के साथ प्रदर्शन करें।

**-----Happy Holidays-----**