HOLIDAY HOMEWORK

Mathematics of life

SUBTRACT all your fears,
DIVIDE your blessings with others
MULTIPLY your good deeds,
ADD God to your life,
EQUALS a wonderful life ...

Task 1: Attempt the Activity 1 : Math words
ABC Handbook.

Task 2: Attempt the Activity 2 : Exploring
3D Pop up Nets.

Task 3: Attempt the Questions based on the
UT-1 and 2 Syllabus.

Task 4: Attempt the Questions based on the
mental maths and puzzles.

Task 5: Integrated Project

Activity-1
Math words ABC HandBook.

Make a handbook/flipbook showing the
mathematical words along with their
symbols from letters A to Z. Each
alphabet shall have 3 words from it.
This handbook will help you to improve
your Math Vocabulary.

For Ex— Mathematical words from letter A

Addition   Array   Acute Angle

4X6=24

6X4=24
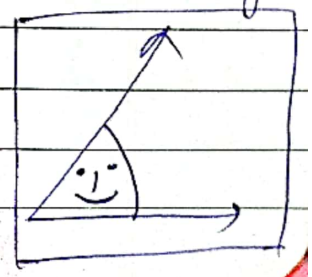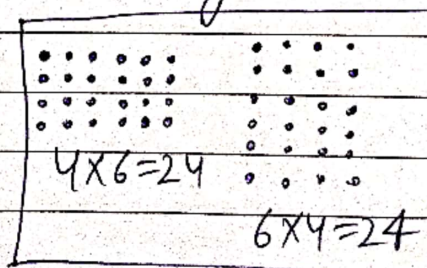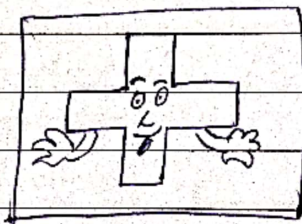
Project Requirements –
1. A math word for each letter of the alphabet
2. A symbol, picture or example of each word used.
3. Make your ABC Book Creative and Colourful.

Activity-2
Exploring 3D Popup Nets

Material Needed:
1. A4 sheet for placing nets.
2. Coloured paper for drawing nets.
3. A Pair of scissors.
4. Glue
5. A thread

Step 1: Copy each of the nets (Cube, rectangular prism, triangular prism and triangular pyramid) on different Colors of Construction paper. Fold the nets on the Crease lines in both directions (Forward and backward).

Step 2: Glue the "base" face of each net down on the inside of the sheet

Step 3: Glue down the labels next to each net

Note: Worksheet is mandatory to attempt in maths register.

① In a single throw of a coin, what is the probability of getting a tail?

② A bag contains 4 white and 5 blue balls. They are mixed thoroughly and one ball is drawn at random. what is the probability of getting (1) ~~both tails~~ a white ball? (2) a blue ball?

③ In a lottery, there are 10 prizes and 20 blanks. A ticket is chosen at random. what is the probability of getting a prize?

④ Two coins are tossed simultaneously. what are all possible outcomes?

⑤ It is known that a box of 100 electric bulbs contains 8 defective bulbs. one bulb is taken out at random from the box. what is the probability that the bulb drawn is (1) defective? (2) non-defective?

⑥ A die is thrown. what is the probability of getting 6?

⑦ A die is thrown. what is the probability of getting an even number?

(8) In a spinning wheel, there are 3 white and 5 green sectors. It is spinned. What is the probability of getting a green sector?

(9) From a pack of 52 cards, one card is drawn at random. What is the probability that the drawn card is a black of 6?

(10) One card is drawn at random from a well shuffled deck of 52 cards. Find the probability that the card drawn is (i) a 4 (ii) a queen (iii) a black card.

(11) The following table gives the number of different fruits kept in a hamper.

Type of fruit	Mangoes	Apples	Oranges	Grapes
Number	26	30	21	5

Bananas
8

Represent the above data by a pie chart.

(12) The data on religionwise division of 1080 workers of a factory are given below —

Religion	Hindu	Muslim	Sikh	Christian
No. of workers	450	270	255	105

Draw a pie chart to represent the above data.

13) Using the prime factorisation method, find which of the following numbers are perfect squares?

(a) 9075   (b) 11025   (c) 5625   (d) 1176.

14) Find the least square number divisible by each one of 8, 9 and 10.

15) Find the least square number which is exactly divisible by each of the numbers 8, 12, 15 and 20.

16) Find the square root by the long division method -
(a) 784   (b) 66049   (c) 10609   (d) 9025.

17) Evaluate $\sqrt{6.4009}$

18) Evaluate $\sqrt{0.4225}$.

19) What least number must be added to 5607 to make the sum a perfect square? Find this perfect square and its square root.

20) The area of a room is $65\frac{1}{4} \ m^2$. If its breadth is $5\frac{7}{16} \ m$, what is its length?

MENTAL MATHS & PUZZLES.

(21.) Complete the Pattern:-

$$1^2 = 1$$
$$11^2 = 121$$
$$111^2 = 12321$$
$$1111^2 = 1234321$$
$$11111^2 = \underline{\hspace{3cm}}$$
$$111111^2 = \underline{\hspace{3cm}}$$
$$1111111^2 = \underline{\hspace{3cm}}$$

(22.) Complete the Pattern —

$$1+3 = 4 = 2^2$$
$$1+3+5 = 9 = 3^2$$
$$1+3+5+7 = 16 = 4^2$$
$$1+3+5+7+9 = \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$
$$1+3+5+7+9+11 = \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$
$$1+3+5+7+9+11+13 = \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$

(23) Complete the magic Square —

14			0
8		6	11
4			7
	2	1	12

(24.) Complete the magic Square given below so that the Sum of the numbers in each row or in each Column or each diagonal is 15.

| 6 | 1 | | |
| | 5 | | |

(25) Fill in the numbers from 1 to 6 without repetition, so that each side of the triangle adds up to 12.
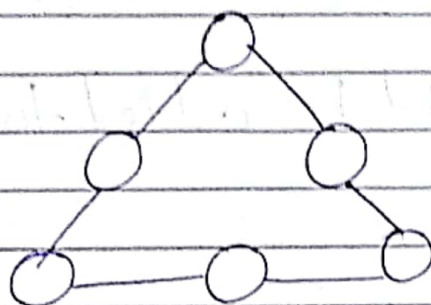
(26) Tick (✓) the correct answer in each of the following :—

(26) Which of the following numbers is not a perfect square?

(a) 1444 (b) 3136 (c) 961 (d) 2222.

(27) Which of the following cannot be the unit digit of a perfect sq. no.?

(a) 6 (b) 1 (c) 9 (d) 8.

(28) $\sqrt{2\frac{1}{4}} = ?$

(a) $2\frac{1}{2}$ (b) $1\frac{1}{2}$ (c) $1\frac{1}{4}$ (d) none of these.

(29) $\dfrac{\sqrt{288}}{\sqrt{128}} = ?$

(a) $\dfrac{\sqrt{3}}{2}$ (b) $\dfrac{3}{\sqrt{2}}$ (c) $\dfrac{3}{2}$ (d) 1.49

(30) $\left(\dfrac{-5}{16} + \dfrac{7}{12}\right) = ?$

(a) $\dfrac{-7}{48}$ (b) $\dfrac{1}{24}$ (c) $\dfrac{13}{48}$ (d) $\dfrac{1}{3}$

(31) What should be added to $\dfrac{7}{12}$ to get $\dfrac{-4}{15}$?

(a) $\dfrac{17}{20}$ (b) $\dfrac{-17}{20}$ (c) $\dfrac{7}{20}$ (d) $\dfrac{-7}{20}$

(32) Reciprocal of $\dfrac{-3}{4}$ is

(a) $\dfrac{4}{3}$ (b) $\dfrac{3}{4}$ (c) $\dfrac{-4}{3}$ (d) 0

(33) Additive inverse of $\dfrac{-5}{9}$ is

(a) $\dfrac{-9}{5}$ (b) 0 (c) $\dfrac{5}{9}$ (d) $\dfrac{9}{5}$

(34) A die is thrown. what is the probability of getting no. 5 ?

(a) 1 (b) $\dfrac{1}{6}$ (c) $\dfrac{6}{1}$ (d) none of these

35. From a well-shuffled deck of 52 cards, one card is drawn at random. What is the probability that the drawn card is a red 6 ?

(a) $\dfrac{3}{26}$ (b) $\dfrac{1}{26}$ (c) $\dfrac{1}{13}$ (d) $\dfrac{1}{52}$.

Note - choose any 2 charts out of 3.

① Design a chart illustrating the four basic operations $(+, -, \times, \div)$ with rational no's. show step by step procedures for performing each operation along with examples.

② Design a chart that presents various problem solving scenarios related to squares and square roots.

③ Design a chart on the topic Data Handling (collect some data on real life situation and represent it on the chart paper).

☆ Integrated Project (Manipur).

CLASS-8 ENGLISH-HOLIDAY HOMEWORK

- Make an attractive A-4 Size folder to keep your holiday H.W. in it.
1. Read Chapter 1& 5 of Literature Reader and draw cover page of any one chapter.
2. Read the poem 'A Sea of foliage' and write about the poet, and poetic devices.
3. Make 6 bookmarks (one for each subject) and decorate with a quote.

4. Revise U-T-2 syllabus

Download English worksheet from E-care. Complete it and submit it with English H.W

ART INTEGRATED ACTIVITY

Note: All the work is to be presented on A-4 size sheet and decorated accordingly.

1. Make a journal of any 2 festivals of Manipur.
2. Prepare poster of a famous costume of Manipur and describe when it's worn and it's his historical relevance.
3. Prepare an itinerary on Manipur for a five day trip.
4. Make a post card of any monument, festival, animal etc. of Manipur along with historical background.

5. Sketch out a famous famous Manipuri personality and briefly describe about him/her.

Write a letter to the editor of the national daily expressing your views on the issue of 'Dangers of using headphones on roads'. Sign yourself as Himani of 69/B Vidya Vihar, Gurgaon. Write letter in this page only.

Past Simple Form

Write the past simple form of each verb:

1. do - _____

2. buy - _____

3. come - _____

4. hear - _____

5. feed - _____

6. hurt - _____

7. forget - _____

8. write - _____

9. think - _____

10. speak - _____

Past Participle Form

Write the past participle form of each verb:

1. begin - _____

2. find - _____

3. tell - _____

4. steal - _____

5. swear - _____

6. mistake - _____

7. let - _____

8. keep - _____

9. freeze - _____

10. do _____

Fill in the blanks with the past simple form of the verb in parentheses:

1. A mosquito_____(bite) me!

2. Grandpa_____(catch) eight fish on our fishing trip.

3. When Whitney stepped in the gum, her flip-flop_____(stick) to it.

4. They_____(wake) up at 4:30 a.m. to catch their 7:00 flight.

5. We_____(fly) from New York to Atlanta for the conference last month.

6. My stomach_____(feel) strange for hours after I ate that old bread.

7. Stephanie_____(give) her sister a CD for her birthday.

8. Ben and Matt_____(make) a movie about a really smart janitor at Harvard.

9. The dog_____(dig) a hole in the yard.

10. I stepped in the hole and_____(break) my ankle.

Base	Past Simple	Past Participle
Teach	Taught	Taught
Shoot		Shot
Quit	Quit	
	Ran	
Fight		
		Had
Win		Won
	Took	
	Shook	Shaken

Drive	Drove	
Bring		Brought
See		
Throw		Thrown
	Found	
	Spoke	Spoken
	Grew	

Complete the given table with the correct word:

VERB	NOUN	ADJECTIVE
act	action	
beautify		beautiful
	benefit	beneficial
care	care	
clear		clear
comfort	comfort	
considerable	consideration	
craze		crazy
create		creative
decisive	decision	

delight	delight	
differ		different
	distraction	distracted/ing
hate	hatred	
hope		hopeful
	impression	impressive
include	inclusion	
indicate	indicative	
insulting	insult	
intend	intention	
madden	mad	
define		definite

originate	origin	
bore	boredom	
confide	confidence	

Vacation is excellent time to learn new skills. It is welcome break for children to enjoy and explore things in their own way. Here are some interesting and fun filled activities for children

Holiday Homework
(Science) Class VIII

Instructions:
- Use loose sheets
- Use spiral diary for dictionary
- Draw chart on chart paper

1. **Answer the following question**
   a) In what way microorganism are friend and foe for us?
   b) What are the properties and uses of PVC?
   c) What are the three forms of carbon? Describe these.
   d) Write down advantages of using LPG or CNG as fuel.
   e) Name the four zone of candle flame.
   f) What happen if cell membrane is ruptured or break down?
   g) Explain why does a sharp knife cut a fruit easily?
   h) List the way to reduce friction.
   i) Enumerate the environmental problem caused by plastic.
   j) How is the developing embryo get nourishment inside the mother womb?
2. Make your own scientific Dictionary. (containing 50 words of your science book)
3. Visit any Science museum and share your experiences with us in 100 words also paste pictures of your visit.
4. When International Yoga Day is celebrated? How yoga helps us to fight against diseases?
5. Plant at least five saplings either from seeds or from stem cutting or you can use both method and observe the process of germination never forget to share your pictures with us.
6. What is Red Data Book?

7. **Charts and Projects (You can select any one of the following)**

a) List five Indian scientist with their contribution in the field of science also you can paste pictures of scientist
b) List Indian Endangered species with pictures.
c) Make a project on Natural and man-made fibers along with their properties and uses.
d) Make a chart on do's and don'ts of covid -19 virus

Revise Explained UT-2 Syllabus properly

HOLIDAYS HOMEWORK, CLASS- VIII (2023-24)
SUBJECT: SOCIAL SCIENCE

NOTE:Complete the HW Neatly.

ACTIVITY -1

Prepare a project on **Crafts and industries** under following headings

- Industries in the pre british period in India
- Industrial growth in the Twentieth century in India

OR

Activity-2

Collect information of **anyone Multipurpose river Valley projects**
Given below. Explain with help of pictures, data, diagrams etc.

- Bhakra Nangal Dam
- Sardar sarovar Dam
- Hirakud Dam
- Tehri Dam
- Rana pratap sagar Dam

Activity-3

Prepare a project on FESTIVALS and COSTUMES of Manipur under the following headings

- Paintings of different festivals of Manipur
- Collage of different types of Costumes of Manipur
- Draw costumes of Manipur in A4 size paper
- Make jewellery from clay or other articles of Manipur
- Paste the cuttings of various festivals of Manipur in a scrap Book
- Make a collage of festivals on A4 size sheet
- Prepare ppt of festivals and costumes of Manipur

Prepare the Project in A4 size sheets.

• Learn UT-2 chapters   completed in class.

• Read and learn chapters taught in class thoroughly.

ग्रीष्मावकाश हेतु गृहकार्य (2023 - 24)

कक्षा- आठवीं

विषय -हिंदी

- विद्यार्थी भाषा की वर्तनी तथा लेख की स्वच्छता पर विशेष ध्यान दें-

प्रश्न 1 'वसंत ऋतु' शीर्षक पर मन को आनंदित करने वाली कोई एक सचित्र कविता चार्ट पर तैयार करें।

प्रश्न 2 'भ्रष्टाचार' विषय पर लगभग 150 शब्दों में एक अनुच्छेद A4 साइज शीट पर लिखें।

प्रश्न 3 मुंशी प्रेमचंद द्वारा रचित 'गोदान' उपन्यास को पढ़कर उसके किन्हीं दो पात्रों का चरित्र चित्रण A4 साइज शीट पर कीजिए।

प्रश्न 4 उपसर्ग और प्रत्यय का प्रयोग करते हुए (10-10) नए शब्दों का निर्माण A4 साइज शीट पर कीजिए।

प्रश्न 5 किसी प्रसिद्ध लेखक / लेखिका द्वारा रचित कहानी को पढ़ें और उस शीर्षक से संबंधित कोई अन्य कहानी लगभग 120 शब्दों में A4 साइज शीट पर लिखें।

प्रश्न 6 'मणिपुर राज्य के त्यौहार एवं पोशाक' विषय पर एक आकर्षक परियोजना कार्य तैयार कीजिए।

- कक्षा में कराए गए पाठ्यक्रम की पुनरावृति करें।