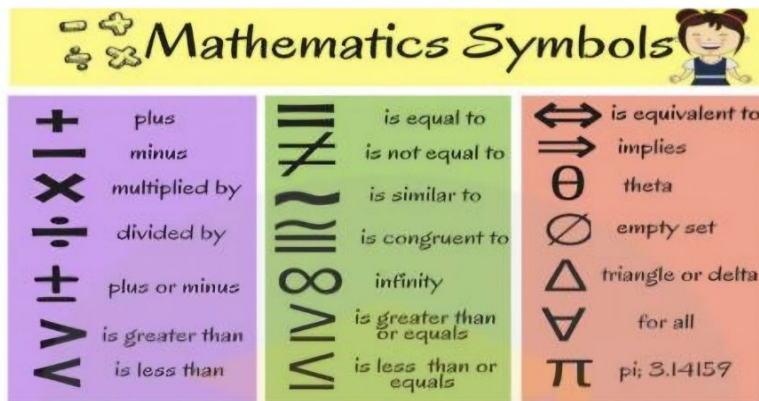


KENDRIYA VIDYALAYA GOLDEN ROCK
SUMMER VACATION HOMEWORK
CLASS VIII

MATHEMATICS

SUBJECT ENRICHMENT ACTIVITY

A. Prepare an A4 sheet of Mathematical Symbols with their names. (Art Integrated Project)



Instructions :

- Use the above chart for reference. Don't make the same chart.
- Use your imagination and art skills to draw symbols and write names.
- The work should be handwritten. Printouts are not allowed.
- Present your work neatly and as creatively as possible.

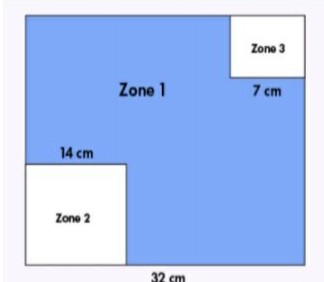
WORKSHEET (Do it on A4 sheets)

1. Write a rational number which is equal to its reciprocal.
2. Check $a \times b = b \times a$ for $a = \frac{1}{2}$ and $b = \frac{3}{4}$.
3. Check $a + b = b + a$ for $a = \frac{1}{2}$ and $b = \frac{3}{4}$.
4. Verify the commutativity of the addition of rational numbers 49 and -71.
5. Show that $x = 4$ is a solution of the equation: $x + 7 - \frac{8x}{3} = \frac{17}{6} - \frac{5x}{8}$.
6. Which of the following is greater-
 $\frac{2}{7}$ of $\frac{3}{4}$ OR $\frac{3}{5}$ of $\frac{5}{8}$
7. It is given that the population of Rajasthan is 570 lakhs and the population of UP is 1660 lakhs.
The area of Rajasthan is 3 lakh km sq, and the area of UP is 2 lakh km sq.
 - a. How many people are present per km sq in both these states?
 - b. Which of the above states is less populated?

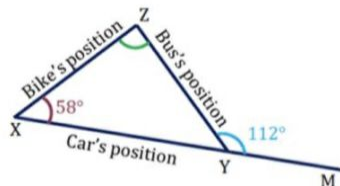
8. Simplify: $(-2)^3 \times (-10)^3$
9. Simplify: $a - (a - b) - b - (b - a)$
10. Emma can type 9 pages of a book in 40 minutes. If she keeps typing at the current pace, then how many pages can she type in 2 hours?



11. Find the area of the shaded region. All the boxes are in square shapes.



12. Due to heavy rain, a traffic jam has been occurred in one of the parts of a city. The three vehicles - a car, a bus and a motorbike are standing in such a way that they form a triangle (say XYZ). Consider the car's position as XY, the bus's position as YZ and motorbike's as XZ. When the car moves forward, an exterior angle is formed as shown:



The measure of angle XYZ is _____.

13. Draw ΔPQR in which $PQ = 3$ cm, $QR = 4$ cm and $RP = 5$ cm. Also, draw the bisector of $\angle Q$.
14. Draw a triangle whose sides are of lengths 4 cm, 5 cm and 7 cm. Draw the perpendicular bisector of the largest side.
15. Represent $-5/11$, $7/9$ and $3/7$ on different number lines.
16. Give four rational numbers equivalent to $-4/5$.
17. Give 4 rational numbers between $3/6$ and $3/4$.
18. Solve the following linear equations-
 - a. $x - 11 = 7$
 - b. $z + 8 = 9$
 - c. $11x = 121$
 - d. $(x - 2) + (x - 3) + (x - 9) = 0$
 - e. $2(x+2)+5(x+5)=4(x-8)+2(x-2)$

Class VIII – English Holiday Homework

1. Write a Learner's Diary for the lesson The White Elephant.

and for the poem The Cloud Play.

2. Write a letter to the Municipal Corporation informing them about the problem of garbage collection and request regular cleaning.

3. Speaking Activity:

Prepare a 1-minute speech on any one of the following topics:

i. The Importance of Education

ii. My Role Model

iii. How Technology is Changing Our Lives

4. Creative Writing:

Create an Acrostic Poem on your own.

5. Make and write your own Palindrome Sentence.

Sanskrit

1.शब्दरूपाणि –

राम ,बालिका , गृहम् ,

2. धातुरूपाणि –

पठ् , गम् ,

3. उचितसर्वनामपदैः वाक्यं निर्माणं कुरुत

युष्माकम् , आवयोः युवयोः अस्माकम्

क. एषः.....विद्यालयः ।

ख. एषा अध्यापिका ।

ग. भारतम् देशः ।

घ. एतानि..... पुस्तकानि ।

4. कोष्ठकात् उचितपदं चित्वा रिक्तस्थानानि पूरयत -

क.अहम्.....पठामि । (वयम् / अहम्)

ख गच्छथः । (युवाम् / यूयम्)

ग. क्रीडनकानि । (युष्मान् / युष्माकम्)

घ. छात्रे स्वः । (वयम् / आवाम्)

5. मञ्जूषातः पर्यायवाचि पदानि चित्वा लिखत

पिपासा , रविः , वस्त्राणि

वसनानि

सूर्यः

तृषा

6. शब्दरूपे रिक्तस्थानानि पूरयत -

एकवचनम्

द्विवचनम्

बहुवचनम्

पञ्चमीविभक्ति

बालकाभ्याम्

बालकेभ्यः

षष्ठीविभक्ति

बालकयोः

.....

रोजाना 2 नए शब्द हिंदी में लिखो अंग्रेजी अर्थ के साथ(A4 sheet)

Daily write 2 new words in Hindi with English meaning (A4 sheet)

कबीर और उनकी कविताओं के बारे में लिखिए

आप किस स्थान पर रहते हैं? आपको वह कैसा लगता है ?उस स्थान की विशेषताएं लिखिए।

अपने परिवार के किसी सदस्य या मित्र के बारे में लिखिए उनके कौन-कौन सी बातें आपको अच्छी लगती है

Write in A4 sheet

Subject: Science CLASS VIII

MDP – MULTI DISCIPLINARY PROJECT

TITLE: - COMPONENTS OF FOOD.

- a. Some common meals of different regions/states.
- b. Draw /paste images of source of nutrients such as proteins, fats, carbohydrates, minerals etc.
- c. Prepare a diet chart to provide balance diet to a twelve-year-old child. The diet chart should include food items which are not expensive and are commonly available in your area.

B. Subject enrichment activity:

1. Make or draw water cycle.
2. Draw or paste different types of plants.
3. Paste pictures of various techniques of separation such as filtration, winnowing, threshing, picking up by hand etc.
4. Make a model on solar system.
5. Draw the chart on the process of seed germination, and germinate some seeds at home.
6. Write the various ways of water uses in our daily life.

C. Art integrated project: Make post card on state: Haryana of the following with a brief write up (30 words each) and miniature diagram of

- 1.State flower
2. State tree
3. State animal
4. State bird
5. State fruit

Note:

1. Do all the subject enrichment in office file using A4 sheet or file paper, use your creative side and make the holiday homework colourful and innovative.
2. In summer vacation try to make some innovative project for science exhibition or think of some ideas for making NCSC project.

Enjoy your holiday. Happy summer vacation to all.

SST

Subject Enrichment Activity: (Do in A4 Sheets)

1. Research colonial-era buildings in your state.
2. Write short description about “Rihla”.
3. Compare Indo-Islamic architecture in different states (At least 2 states).
4. Analyse Gupta’s period coins and identify symbols on them. (At least in 50 words)
5. Identify and describe various forms of government.
6. Why is democracy considered a government “for the people”? Discuss the key features of democracy and how it ensures fairness, equality, and citizen participation.
7. On a political map of India, mark:
 - Central Government (New Delhi)
 - State Governments (mark different capitals like Mumbai, Chennai, etc.)
8. Students can create a mini Constitution Booklet—write the Preamble in their own words and illustrate the 6 Fundamental Rights.