

**SUMMER VACATION
HOLIDAYS HOMEWORK
CLASS VIII**

ENGLISH

TASK I

PICTORIAL PRESENTATION OF IDIOMS :

Pick any two idioms. On A3 size sheet draw the relevant picture, write its meaning and make a sentence. Use one sheet for one idiom.



Head in the cloud: daydreaming

Most of the time she is having her **head in the clouds**.

TASK II

Make a collage on the following socially relevant themes:

- 1) Save the girl child (Roll no 1-5)
- 2) Save the environment (Roll no 6-10)
- 3) Empathy for the differently abled (Roll no 11-15)
- 4) Stop child labour (Roll no 16-20)
- 5) Peace and Harmony (Roll no 21-25)
- 6) Say no to Crackers (Roll no 26-30)
- 7) Donate blood (Roll no 31-35)
- 8) Keep the earth green (Roll no 36-40)
- 9) Save water (Roll no 41-45)
- 10) Say No to Plastic (Roll no 45-50)

Instructions :

- Paste two pastel charts horizontally.
- Use powerful visuals and photographs cut out from the newspapers or magazines
- quotes/slogans made from alphabets/whole slogans or quotes cut out from a magazines/ newspapers etc.
- Ensure that the colour scheme is visually pleasing and eye catching.
- There should be bare minimum use of poster colors and sketch pens.

Collage presentation will be followed by a speaking skills activity after the vacation.

TASK III

Do the following units in your workbook. Answers will be discussed in the class after the summer – break.

- 2) Narration
- 3) Modals
- 10) Reading for Understanding Comprehensions 1 and 2

TASK IV

Read, revise and learn the chapters done in the class:

- 1) Three Questions
- 2) Granny's Tree Climbing
- 3) The Fun They Had

Practice writing skills and grammar done in the class.

Holidays are a chance to read, relax and rejuvenate. So grab any book and READ...READ...READ!!



BIOLOGY

- Q1. a) Revise Chapter 1 and 2 from the textbook and the notebook and practice all the relevant diagrams.
b) A **Foldable** is a three-dimensional, interactive graphic organizer based upon a skill, basically used for recapitulation. Make a creative foldable on an A-4 sized sheet on any one of the following topics:
- i) Discovery of a Cell
 - ii) Parts of a typical cell
 - iii) Cell Organelles
 - iv) Difference between a plant cell and an animal cell

(To be done by students from Roll No. 1 to 20)

- Q2. Make a comic strip on an **A-3 sized** sheet showing the role of **Micro-organisms as Friends OR Foes**.
(To be done by students from Roll No. 21 onwards)

- Q3. Read any Science magazine or a Journal and write five interesting facts or discoveries based on human health, genetic engineering or impact of human activities on the environment.

(Do Q3 on A-4 sized sheets and submit the holidays homework in an attractive folder.)

PHYSICS

1. Use pictures / illustrations , cartoons to differentiate between force and pressure.
2. On the world map , indicate the places where Tsunami is more likely to occur. Find out the problems faced by the people living in these regions. Take the help of newspaper cuttings, magazines and internet sources.
3. A blacksmith hammers a hot piece of iron while making a tool. How does the force due to hammering affect the piece of iron?
4. An inflated balloon was pressed against a wall after it has been rubbed with a piece of synthetic cloth. It was found that the balloon sticks to the wall. What force might be responsible for the attraction between the balloon and the wall?
5. Name the forces acting on a plastic bucket containing water held above ground level in your hand. Discuss why the forces acting on the bucket do not bring a change in its state of motion
6. A rocket has been fired upwards to launch a satellite in its orbit. Name the two forces acting on the rocket immediately after leaving the launching pad.
7. Give two examples of situations in which applied force causes a change in the shape of an object.
8. Give two examples each of situations in which you push or pull to change the state of motion of objects.
9. The sportsperson wear shoes with spikes. Give reason.

10. Iqbal has to push a lighter box and Seema has to push a similar heavier box on the same floor. Who will have to apply a larger force and why?

CHEMISTRY

- To make a comparative chart which lists out 10 of the rarest metals and non-metals and 10 of the most common metals and non-metals in the world. Also include the percentages in which the metals and non-metals are found and their uses as well.
- To create a pictorial representation of the history of fossil fuels. The pictures need not be hand drawn; they can be cut outs and collages and along with the pictures, and write two to three lines which describe the pictures.
- SURVEY – Conduct a survey of your home and make a list of various materials which are commonly used in daily life. Classify these materials into pure substances and mixtures. Further, classify them as metals and nonmetals and on the basis of their appearance. Prepare a written report of your findings and submit it .
- Practice all activities of chapter - 3 with diagram in chemistry notebook.

5. MULTIPLE CHOICE QUESTIONS

Choose the correct option:

- The most reactive metal is:
(a) Iron (b) Gold (c) Zinc (d) Potassium.
- The liquid metal at room temperature
(a) Mercury (b) Bromine (c) Sodium (d) Gold.
- Non-metals are:
(a) generally liquid (b) generally gases (c) generally solids and gases (d) generally gases and liquids.
- The metal which is stored in kerosene:
(a) Phosphorus (b) Magnesium (c) Sodium (d) Magnesium
- The non-metal which is liquid at room temperature is:
(a) Carbon (b) Iodine (c) Bromine (d) Chlorine.
- Materials around us can be classified into
(a) Elements and compounds (b) Metals and non-metals (c) Acids and bases
(d) None of these.
- All metals are solids except
(a) Sodium (b) Calcium (c) Mercury (d) Hydrogen.
- Metal oxides are of nature
(a) Acidic (b) Basic (c) Neutral (d) All of these.
- The metal which can be cut with a knife
(a) Sodium and potassium (b) Barium and calcium
(c) Sodium and mercury (d) Potassium and calcium.
- When non-metals react with water then
(a) Hydrogen gas is formed
(b) Carbon dioxide gas is formed
(c) Non-metals do not react with water
(d) None of these.

Revise and prepare for Pre-Term Examination

SANSKRIT

- (1) नीति श्लोक पाठ से भिन्न सस्वर स्मरण करके सांस्कृतिक की संचिका में लिखिए ।
- (2) आप कक्षा में किस प्रकार एक दूसरे की सहायतार्थ सहयोग करते हैं इस विषय पर संस्कृत में 10 वाक्य लिखिए ।
- (3) व्याकरण क्त्वा एवं ल्यप् का प्रयोग करते हुए संस्कृत में संवाद लिखिए न्यूनतम 10 वाक्यों का प्रयोग होना चाहिए ।
- (4) शैक्षणिक भ्रमण यात्रा हेतु प्रधानाचार्य को संस्कृत में एक पत्र लिखिए ।
- (5) व्यवहार में आने वाले 50 शब्दों का शब्दकोश संस्कृत में बनाए ।

नोट: सभी कार्य संस्कृत की कक्षा कार्य पुस्तिका में करना है ।

HINDI

१. ज्ञान सागर पुस्तिका—पाठ 1 से 4 तक **ईकाई परीक्षा 1** हेतु दोहराइए।
२. अभ्यास सागर पुस्तिका – तत्सम- तद्भव , पर्यायवाची शब्द, वाक्यांश के लिए एक शब्द, उपसर्ग-प्रत्यय इत्यादि नियमित दोहराइए।
३. रचनात्मक लेखन—(100 से 150 शब्दों में अनुच्छेद लिखिए।)
क. पराधीन सपनेहु सुख नाही
ख. विज्ञान के चमत्कारों ने बदला पृथ्वी का स्वरूप।
४. पक्षियों की संख्या कम होती जा रही है, इसका क्या कारण है? हम इनका संरक्षण किस प्रकार कर सकते हैं? अपने विचार ५० से ६० शब्दों में लिखिए।
५. मनुष्य को जीवन में सुख के साथ- साथ कठिन परिस्थितियों का सामना भी करना पड़ता है। ऐसी कठिन परिस्थितियों में मनुष्य को क्या करना चाहिए? अपने विचार ५० शब्दों में लिखिए।
६. आप नमन/ नमिता हैं। आप विद्यालय के/की सांस्कृतिक सचिव हैं। आपके विद्यालय में 'अंतर्सदनीय वाद-विवाद प्रतियोगिता' का आयोजन किया जाना है। प्रतियोगिता में भाग लेने के इच्छुक विद्यार्थियों को आमंत्रित करते हुए एक सूचना तैयार कीजिए।
७. 'मेरा छोटा सा निजी पुस्तकालय' लेखक धर्मवीर भारती तथा 'स्मृति' लेखक श्रीराम शर्मा की रचनाएँ पढ़िए।

नोट- क्रम संख्या ३ से ६ तक के सभी कार्यों को कक्षा कार्य पुस्तिका में कीजिए।

MORAL EDUCATION

1. गीता के दो श्लोक पाठ्य पुस्तक से अर्थ सहित स्मरण कीजिए।
2. किसी भी राष्ट्र के लिए एक राष्ट्रभाषा का होना क्यों आवश्यक है ?
या
आधुनिक काल में हिंदी भाषा का क्या महत्त्व है , स्पष्ट कीजिए
3. संस्कृत भाषा के महत्त्व पर अपना विचार लिखिए ।
4. स्वामी दयानंद जी ने हिंदी प्रचार - प्रसार के लिए क्या कार्य किया ?

नोट - सभी कार्य नैतिक - शिक्षा की कक्षा कार्य पुस्तिका में कीजिए ।

SOCIAL SCIENCE

Q1. Every year more and more land is being severely degraded. This has been continuing since time immemorial. How have land degradation affected ancient civilizations? Research any one civilization that came to an end due to salinisation. Prepare a report on what happened and how? (geography notebook)

Q2. On an outline map of world mark the following using different colours.

- Three countries with very high freshwater levels
- Three countries with very low freshwater levels
- Two dams in India

Make a legend for your map and add necessary labels. (geography notebook)

Q3. Prepare a pictorial report comparing the architecture of Delhi and Colombo and the British influence on its monuments. Also mention the role of Buddhism in both the cities. (to be done in a scrapbook).

Q4. Revise the following chapters for Unit Test I

Chapter-1 Resources:Utilization and Development

Chapter-8 Modern Period

Chapter-9 Establishment of Company Rule In India

Chapter-18 Our Constitution

COMPUTER

Write the HTML code to generate a webpage on “CYBERBULLYING” or “CYBER CRIME AND CYBER LAW”.

- Refer to Chapter 9 - “The Cyber World, Cyber Crime and the Law” for the content.
- Webpage may contain a story/article on the above mentioned topics.
- Webpage should be colourful and attractive and must include images.
- For inserting pictures watch some youtube videos. <https://www.youtube.com/watch?v=R72N-B-cpfo>.
- All the images and notepad file should be in the same folder.

Email the code written in notepad and screenshot of the webpage to davprojects@gmail.com, mentioning your name and class.

MATHS

CHAPTER-1 SQUARES AND SQUARE ROOT

1. Write a pythagorean triplet whose smallest number is 6.
2. A ladder 10m long rests against a vertical wall. If the foot of the ladder is 6m away from the wall and the ladder just reaches the top of the wall, how high is the wall?
3. Find the length of a diagonal of a rectangle with dimensions 20m by 15m.
4. The area of a rectangular field whose length is twice its breadth is 2450 m². Find the perimeter of the field.
5. During a mass drill exercise, 6250 students of different schools are arranged in rows such that the number of students in each row is equal to the number of rows. In doing so, the instructor finds out that 9 children are left out. Find the number of children in each row of the square.

6. Find the smallest number by which 1620 must be divided to get a perfect square. Also find the square root of the quotient.
7. Find the least number of four digits that is a perfect square.
8. Find the greatest number of three digits that is a perfect square.
9. Find three numbers in the ratio 2:3:5, the sum of whose squares is 608.
10. The perimeters of two squares are 40 and 96 metres respectively. Find the perimeter of another square equal in area to the sum of the first two squares.
11. Find the length of the side of a square if the length of its diagonal is 10cm.
12. The dimensions of a rectangular field are 80m and 18m. Find the length of its diagonal.
13. Find the area of a square field if its perimeter is 96m.
14. How many square metres of carpet will be required for a square room of side 6.5m to be carpeted.
15. Find the side of a square whose area is equal to the area of a rectangle with sides 6.4m and 2.5m.
16. Estimate the square root of (i) 4761 (ii) 5329 (iii) 7056
17. Find the square root correct upto three decimal places: (i) $\sqrt{2.5}$ (ii) $\sqrt{\frac{1}{3}}$

CHAPTER-2 CUBES-CUBE ROOTS

1. Write cubes of first three multiples of 3.
2. Is 9720 a perfect cube? If not, find the smallest number by which it should be divided to get a perfect cube.
3. If one side of a cube is 15m in length, find its volume.
4. Estimate the cube root of (i) 12167 (ii) 42875 (iii) 140608
5. Three numbers are in the ratio 1:2:3 and the sum of their cubes is 4500. Find the numbers.
6. Find the length of each side of a cube if its volume is 512 cm³.
7. Difference of two perfect cubes is 189. If the cube root of the smaller of the two numbers is 3, find the cube root of the larger number.
8. Evaluate:

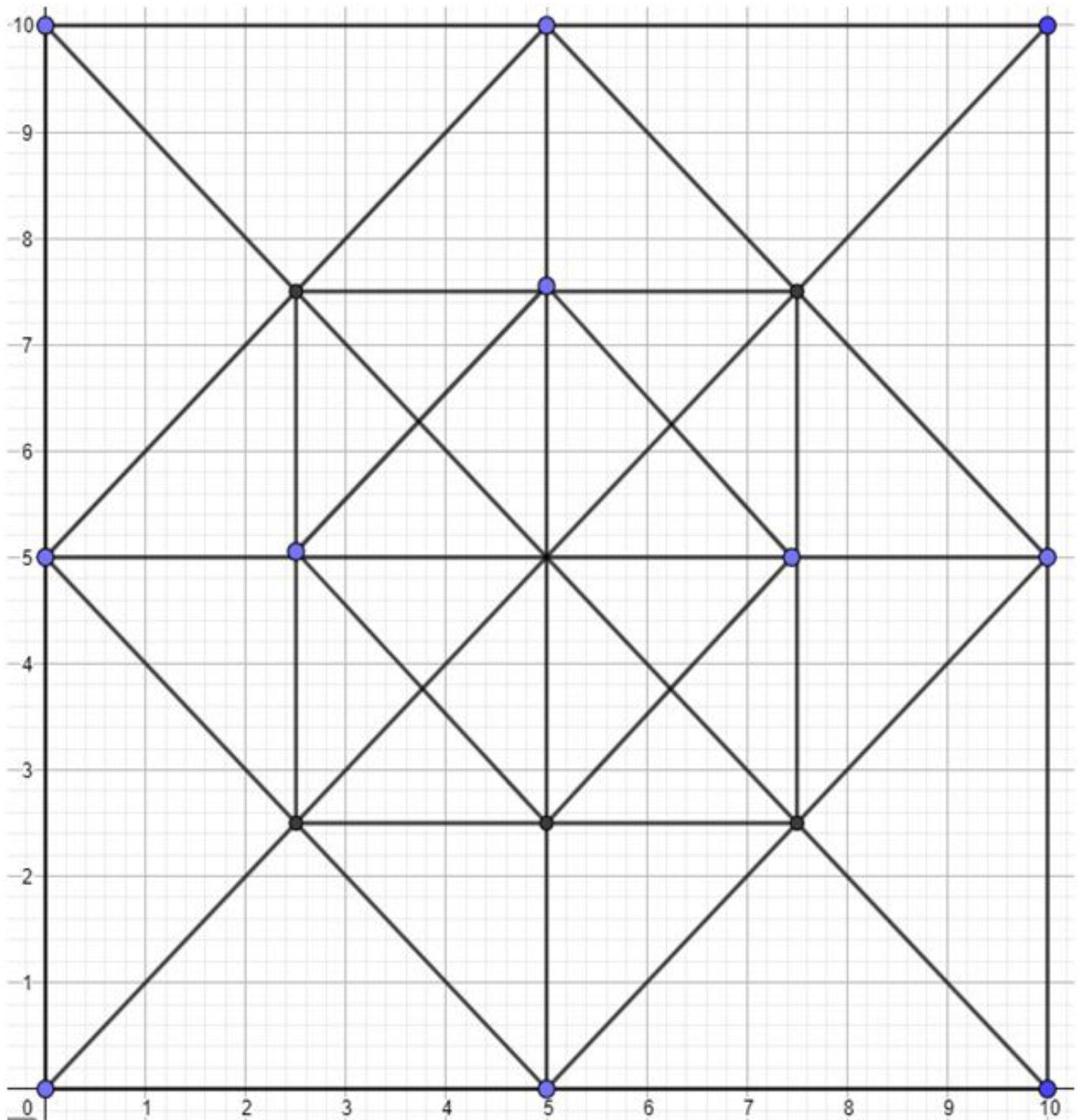
$$\sqrt[3]{27} + \sqrt[3]{0.008} + \sqrt[3]{0.064}$$

CHAPTER-5 PROFIT, LOSS AND DISCOUNT

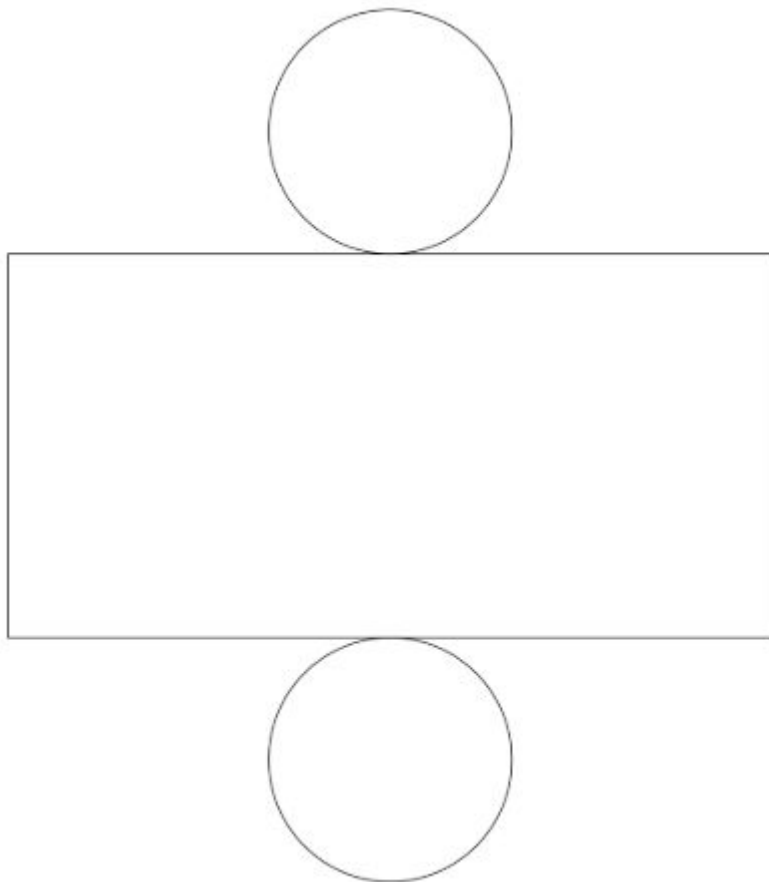
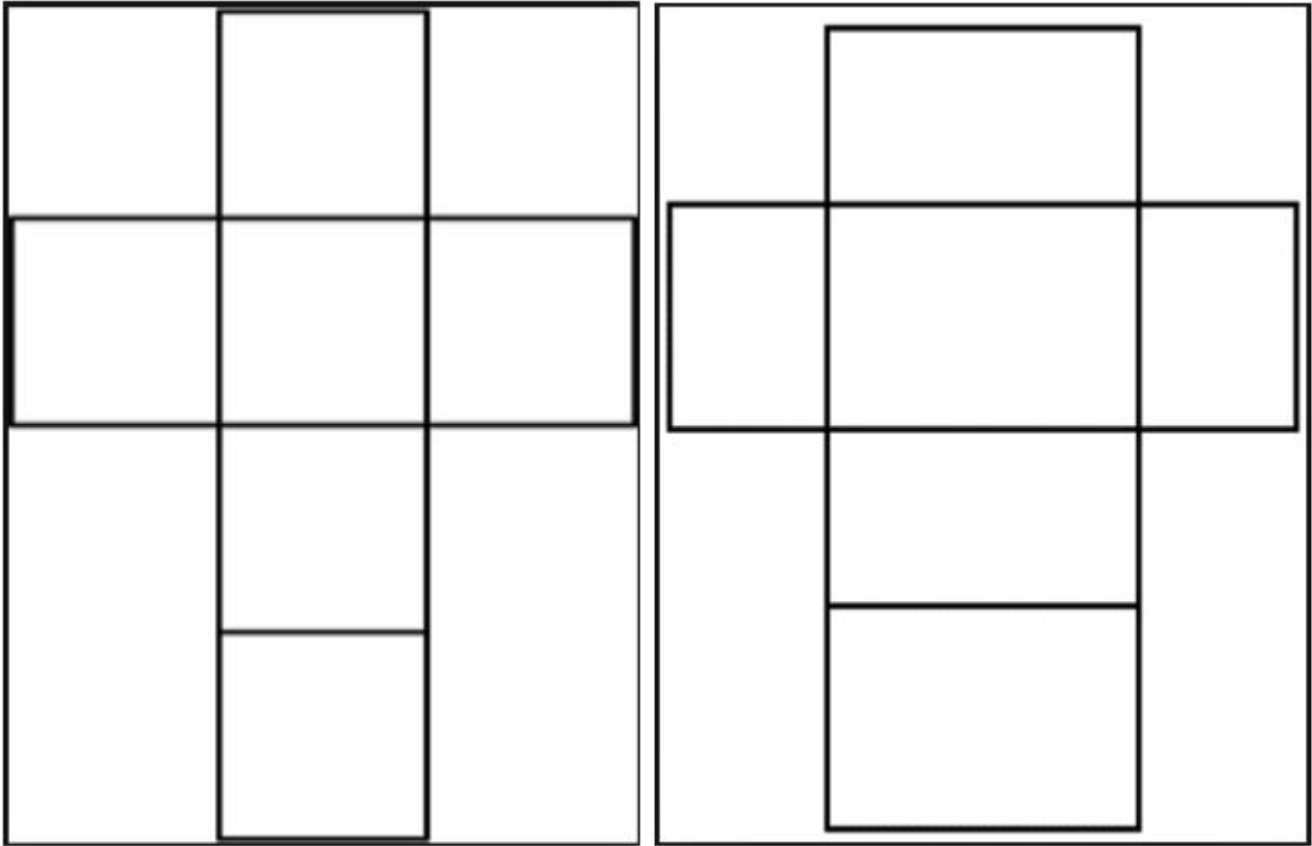
1. The marked price of an article is Rs 500. The shopkeeper gives a discount of 5% and still makes a profit of 25%. Find the cost price of the article.
2. Jyotsana bought a product for Rs 3,155 including 4.5% GST. Find the price before tax was added.
3. Prachi bought medicines from a medical store as prescribed by her doctor for Rs 36.40 including 4% GST. Find the price before GST was added.
4. Kritika ordered one pizza and one garlic bread from a pizza store and paid Rs 387 inclusive of taxes of Rs 43. Find the tax%.
5. Babita bought 160 kg of mangoes at Rs 48 per kg. She sold 70% of the mangoes at Rs 70 per kg and the remaining mangoes at Rs 40 per kg. Find Babita's gain or loss per cent on the whole dealing.
6. A shopkeeper was selling all his items at 25% discount. During the off season, he offered 30% discount over and above the existing discount. If Pragya bought a skirt which was marked for Rs 1,200, how much did she pay for it?
7. Ayesha announced a festival discount of 25% on all the items in her mobile phone shop. Ramandeep bought a mobile phone for himself. He got a discount of Rs 1,960. What was the marked price of the mobile phone?
8. Lemons were bought at Rs 48 per dozen and sold at the rate of Rs 40 per 10. Find the gain or loss per cent.
9. Ashima sold two coolers for Rs 3,990 each. On selling one cooler she gained 5% and on selling the other she suffered a loss of 5%. Find her overall gain or loss % in whole transaction.
10. On selling a chair for Rs 736, a shopkeeper suffers a loss of 8%. At what price should he sell it so as to gain 8%?
11. A lady bought an air-conditioner for Rs 15,200 and spent Rs 300 and Rs 500 on its transportation and repair respectively. At what price should she sell it to make a gain of 15%?
12. What price should a shopkeeper mark on an article that costs him Rs 600 to gain 20%, after allowing a discount of 10%.

(A) ENRICHMENT ACTIVITIES

- 1) Make quadrilateral robot with your imagination using special quadrilaterals like rhombus, trapezium, square, rectangle and parallelogram.
- 2) Outline the following figures with different colours in the given pattern and calculate their areas:
 - a) six different triangles
 - b) six different squares
 - c) two different parallelograms
 - d) two different trapeziums



3) Colour and cut the nets of various solids given below.



4) Cross Number Puzzle

DOWN

1. Cube of 9.
2. Missing number to make 12, _____, 37, a pythagorean triplet.
4. Smallest number by which 248 be multiplied to make the resultant a perfect cube number.

5. Square of 75.
6. Smallest square number that is divisible by each of 5 and 11
9. Without adding, find the sum of $1 + 3 + 5 + 7 + 9 + 11$.
10. Smallest number which when added to 7669 makes the resultant a perfect square.

ACROSS

2. Square of 19.
3. Look at the numbers given below and find the number which cannot be a perfect square. 81, 100, 144, 25000
7. Square root of 4489
8. Smallest natural number other than 1 which is a perfect square as well as a perfect cube number.
10. Cube root of 357911.
11. Smallest number which when subtracted from 374695 makes the resultant a perfect square number.

1	2			6
3	5			
4	7	10		
			9	
11			8	

5) MAGIC SQUARES

A magic square is a square with numbers arranged so that the sum of the numbers in each row, column and diagonal is the same. Complete each magic square below.
 Use the numbers $-4, -3, -2, -1, 0, 1, 2, 3$ and 4 to make a magic square with row, column and diagonal sums of 0.

$\sqrt{36}$		2^2
8^0	$\sqrt{9}$	
	$3^2 - 2$	

	$-(\sqrt{4} + 4)$	$(9)^0$
$-(\sqrt{16})$		0^3
$-(\sqrt{9})$	$2^0 + 1$	

- 6) Complete the grid using the clues given below.

DOWN

- (1) The total cost price of a TV set whose cost price is Rs 6,900 and money spent on repairs is Rs 300.

(2) The price of a cycle is Rs 800. It is now increased by 20%. The new sale price is Rs _____.

(3) The list price of a bag is Rs 220. A discount of 15% is offered to make the sales price as Rs _____.

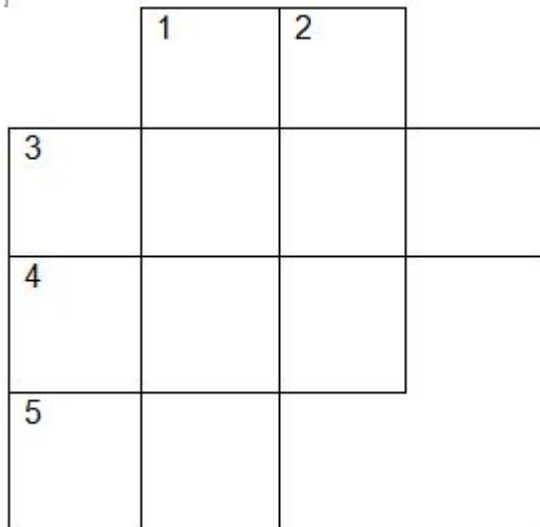
ACROSS

(1) Discount on an item marked at Rs 800 and sold for Rs 721.

(3) The selling price of a fan costing Rs 1,200 if a profit of Rs 5% is to be made.

(4) The cost price of an item sold at Rs 1,600 at a 100% profit.

(5) The profit per cent of an item purchased at Rs 800 and sold at Rs. 1,360.



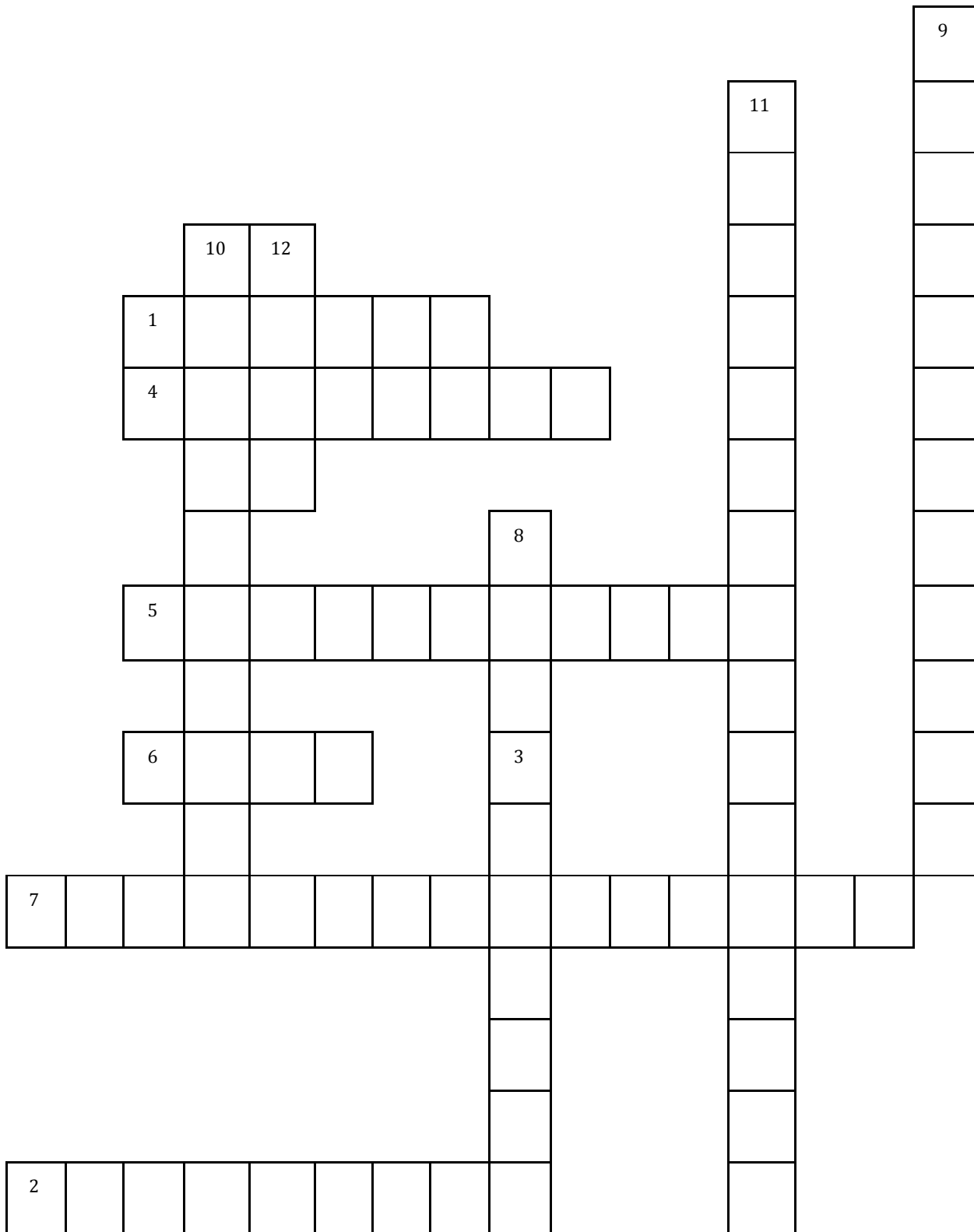
7) Crossword

ACROSS

- 1. Shopkeeper earns it if $S.P. > C.P.$
- 2. The price at which the article is purchased.
- 3. List price of an article.
- 4. It is a reduction given on M.P.
- 5. Duration for the sum is borrowed.
- 6. This becomes half if the interest is compounded half yearly.
- 7. Interest computed on the original principal.

DOWN

- 8. This comes from Latin word per centum.
- 9. The price at which article is sold.
- 10. The original sum deposited or borrowed.
- 11. The interest is calculated on the amount of the previous year.
- 12. Shopkeeper bears it if $S.P. < C.P.$



PROJECT WORK

ROLL NOS	ENGLISH	HINDI	SCIENCE	SOCIAL SCIENCE	MATHS
VIII A	1-10	11-20	21-30	31-40	41-48
VIII B	1-8	9-16	17-24	25-32	33-39
VIII C	1-8	9-16	17-24	25-32	33-39
VIII D	1-8	9-16	17-24	25-32	33-39

MATHS PROJECT WORK

Parallel Lines and Angles: Make a block design showing 3 parallel streets and 2 transversal streets intersecting them. Mark the following buildings at the given angles :

- Park and market at vertically opposite angles.
- School and playground at adjacent angles.
- Post office and fire station forming a linear pair.
- Hospital and Community centre forming corresponding angles.
- Shade the Mall in the triangular region.
- Hotel and airport at alternate interior angles.
- Temple and railway station at alternate exterior angles.

ENGLISH PROJECT WORK

MAKE YOUR OWN RADIO SHOW(An individual Activity)

An opportunity to showcase your skills and tools to make your voice heard by making your own show you create space for yourself to ask questions, reflect, listen, and learn.

You will grow in confidence, develop valuable communication skills and start thinking critically about the world around you. You can speak about your concerns and reach out to your peers and the wider community about the issues that matter to you.

Being a youth reporter means having permission to ask questions, be curious, and explore new World through your radio talk shows, interviews, audio profiles, and other productions you choose to do, you will be heard.

Tips for Creating Your Own Radio Program (Time Limit : 5-7 minutes)

Bring your ideas to life by broadcasting yourself

Choose any one of the following topics:

- Generation Gap
- Compassionate Souls Of India
- Enterprise
- Nature
- Sports
- Tolerance

You're going to need some basic tools. At a minimum, you'll need a quality microphone, a recording application, and maybe an audio mixer.

Educate yourself about digital MP3 files, microphones, mixers, and other tools.

Know Your Listener. Understand how, when, and why they listen to you.

Talk to ONE Person. ..

You are the host - Keep your voice energetic

Some more ideas to include in your show

- Quote of the day
- Sports
- Call-in/Request shows:

- Talk show
- Radio drama
- Entertainment & Comedy
- Announcements
- Radio talk
- Radio interviews
- Radio discussions
- Running commentaries
- News
- Music

Project Submission to be done at rachnamam@gmail.com (VIII A & C) / nikita.dav.eng@gmail.com (VIII B & D) latest by 15th June.

(HINDI PROJECT WORK) हिंदी परियोजना कार्य

क 'एक फूल की चाह'- कवि सियारामशरण गुप्त
'मेरा नया बचपन'- कवयित्री सुभद्रा कुमारी चौहान ।
उपर्युक्त रचनाओं को पढ़कर काव्य के भावों का चित्रांकन कीजिए।

ख नीचे दिए गए शब्दों के पर्यायवाची शब्दों की तालिका बनाइए-

- | | | | | |
|---------|-------------|----------|---------|-----------|
| 1. सुधा | 2. स्वच्छंद | 3. व्यथा | 4. दिवस | 5. मंदिर |
| 6. धीरज | 7. फूल | 8. प्रलय | 9. नियम | 10. बटोही |

<https://www.youtube.com/watch?v=vOHRWtMN5pl> सहायता के लिए लिंक देखें। (अपनी मौलिकता बनाएँ रखें।)

नोट- परियोजना कार्य आकर्षक तरीके से ए4 पृष्ठ पर कीजिए।

SCIENCE PROJECT WORK

BIOLOGY

- Collect the wrappers of any four packed food items used in your homes. List the names of ingredients and preservatives used in those food items. Write the importance of using the preservatives in those food items.
- Write a short report on the disadvantages of consuming processed and packed food items and the harmful effects of the preservatives added in those food items. Paste pictures to support your findings. Conduct a survey on the same topic by getting the following questionnaire filled from the people (of different age groups-at least 10) in your neighbourhood. Write your inferences from the survey in the form of table given

below:

QUESTIONNAIRE

1. Name few packed food items that you consume on a regular basis.
2. How long do you use those packed food items?
3. Do you check the manufacturing date and the expiry date before purchasing those food items?
4. Should we consume the packed food item even after its expiry date? Give reason for your answer.
5. Have you ever fallen ill after consuming the packed food items?

Table for Conclusion

<u>Food Item</u>	<u>Name of the preservative used</u>	<u>No. of days/months it should be consumed</u>	<u>Importance of preservative used</u>	<u>Disadvantage of preservative used</u>

SOCIAL SCIENCE PROJECT WORK

On the basis of Question three of the holiday homework select any one monument of Colombo having British influence on its architecture and prepare a three dimensional model. The following instructions are to be kept into consideration -

- Height should not be less than 15 inches.
- Width should be more than 20 inches.
Along with the model also prepare a report on the monument being made stating -
- Year of construction
- Name of the person credited with the construction of the monument
- Style of architecture
- Important features of the monument



(Group 1) Solar energy is a great alternative to provide energy and reduce dependency on fossil fuels. Still, our country is not on top of using solar energy. Make a chart on “ What are the problems in the way of using solar energy and suggestive ways to overcome”

(Group 2) Make a poster on “ Use of solar energy in various fields or applications of solar energy”