Aster
Public School
Since 1994

Explore | Expand | Excel
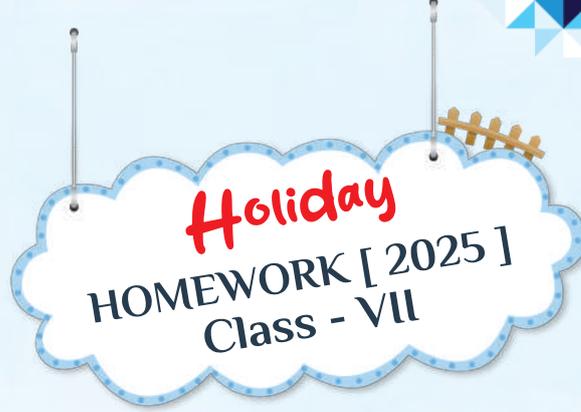
1A/5, KP-1, Greater Noida

Holiday
HOMEWORK [2025]
Class - VII

Hello
SUMMER

Fun, memorable, and
meaningful experiences

ENGLISH

Help Animals Stay Hydrated!

The sun is getting hotter, and just like us, animals can get really thirsty too! To help out your furry and feathered friends, you must place a shallow bowl filled with water outside your house, on a porch, balcony, or in your yard.

Click a picture and send it to the respective Grade Incharge.

Activity 1 : A Biographical Sketch

Surf the internet and get to know more about favourite author or sportsperson.
Fill out the following information on an A–4 sheet.
o Full Name:
o Date of birth:
o Place of Birth:
o Parents:
o Background:
o Achievements:

Now, paste a picture and write a brief biography of the selected sports star / author based on the information.
You could begin this way: *……… was born on …….. at . His/Her parents, ……….. and …….are …… Give a suitable and creative title to your work.*

Activity 2: Digital Detox

Create a podcast on the importance of unplugging from screens. How can we strike a balance between digital life and real-world interactions?
Send the podcast via email to the subject teacher.

Activity 3: Reading

1. Read any one book

  -1. Grandma's Bag of Stories by Sudha Murty

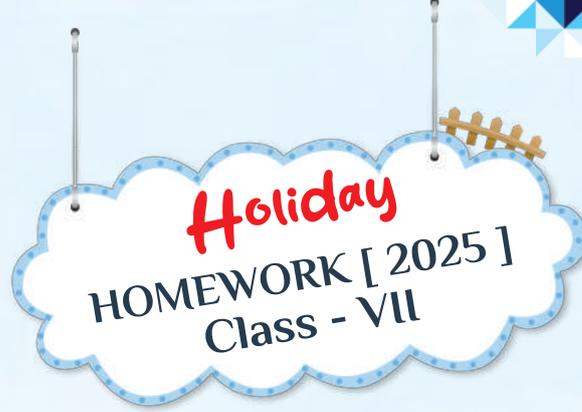👵 A delightful collection of stories full of wisdom, humor, and Indian values told by a loving grandmother.

2. The Blue Umbrella by Ruskin Bond

🌂 A sweet story about a little girl in a mountain village and her precious blue umbrella. Simple, touching, and beautifully written.

3. The Puffin Book of Folktales by Paro Anand

🌍 A collection of India's rich folktales from different states. Each story brings a new culture and moral to light.

4. Tenali Raman Stories (Various Authors, often retold by Meera Ugra or C. Narayana Reddy)

🥸 Clever and funny tales of the witty court jester Tenali Raman. Full of wordplay, logic, and laughter.

5. Younguncle Comes to Town by Vandana Singh

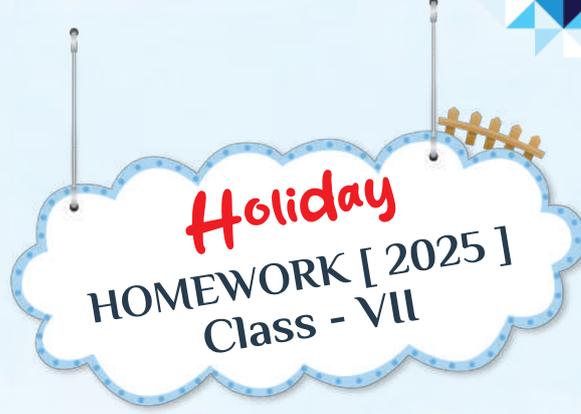😄 A quirky, hilarious tale about a fun-loving uncle and his adventures in a small Indian town.

Mind Map
- Create a mind map of the book / chapter you liked the most .
- *Use colours, images and keywords to represent each event or incident.
- *Include key moments, characters and settings that stood out to you.
- *Use an A4 size colourful sheet.

✨**Activity 4 : Theme: International Year of Quantum Science and Technology (2025)**

- Write an essay on "How Quantum Science Will Change Our Future."(200 words)
- Prepare a comic strip on a day in the life of a young scientist.

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SOCIAL SCIENCE

Democracy in Action: Create Your Own Country!

Brochure Design Tips: **(https://youtu.be/JnE_MjE3zHI?si=2NMvTBalWl5CIh3l)**
Student can take the help from the given above link to design the brochure . And for more ideas you can also access Pinterest. Be creative while designing your brochure.

- Design a brochure that includes:
- Cover Page: Bold title like : Welcome to Equaland
- Inside Pages: index what's inside this brochure
- Fun Fact Section:
- Collage section
- Flag and symbols of your country.
- Constitution, election process, and type of democracy.
- Candidate information and election details (date, voting process).

Steps to Complete Your Project:
Name Your Country
Choose a name that reflects your country's values (e.g., Democratia, Freedomia, or Equaland).
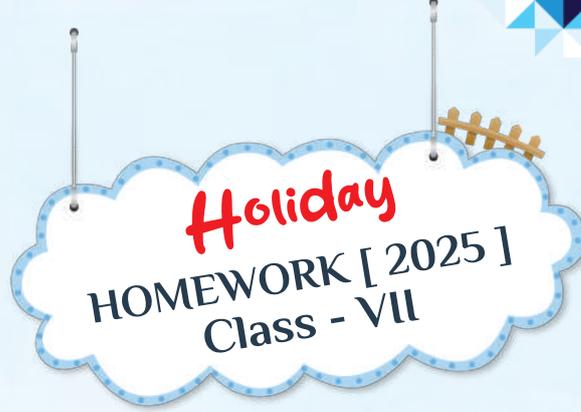
Type of Democracy(choose any 1)
Choose one of the following types of democracy for your country:

1. Direct Democracy: Citizens vote on laws and decisions directly (e.g., Ancient Athens).

2. Representative Democracy: Citizens elect leaders who make decisions on their behalf (e.g., India, USA).

3. Republic: A country where the head of state is elected, and there is no monarchy (e.g., USA).

4. Constitutional Monarchy: A system where a monarch shares power with a constitutionally elected parliament (e.g., UK, Japan).

5. Participatory Democracy: Citizens are involved in all decisions, even on a local level (e.g., Switzerland).

Design Your Government

Government Type: Choose how leaders are chosen (e.g., elections, voting age).

Roles of Leaders: Describe your leaders' duties (e.g., President, Prime Minister, or Monarch).

Decision-Making Process: How are laws passed? Will citizens vote directly, or will elected representatives make decisions?

Create a Mini-Constitution

Write some basic rights for citizens (e.g., freedom of speech, right to education).

Define citizens' duties (e.g., voting, respecting laws).

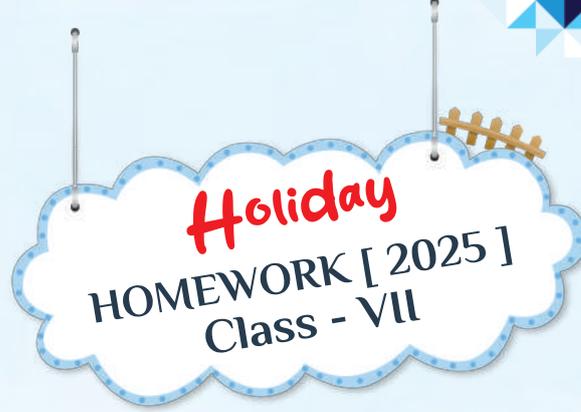Include a Preamble that explains your country's core values.

Campaign for Election

Choose a candidate for President or Prime Minister.

Create a campaign slogan and write a short campaign speech.

SCIENCE

1. Read carefully the terms given below. Which of the following sets is the correct combination of organs that do not perform digestive functions?
   (a) Oesophagus, Large Intestine, Rectum
   (b) Buccal cavity, Oesophagus, Rectum
   (c) Buccal cavity, Oesophagus, Large Intestine
   (d) Small Intestine, Large Intestine, Rectum

2. How will the addition of turmeric affect the colour of lime water?
   a) The solution becomes blue in colour
   b) The solution becomes red in colour
   c) The solution becomes yellow in colour
   d) The solution becomes pink in colour

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3. The question below consists of an assertion and a Reason. Use the following   key to choose the appropriate answer.

Both A and R are true and R is the correct explanation of A.

Both A and R are true but R is not the correct explanation of A.

A is true but R is false.

A is false but R is true.

i) **Assertion (A):** Temperature is a measure of the degree of hotness of our body.

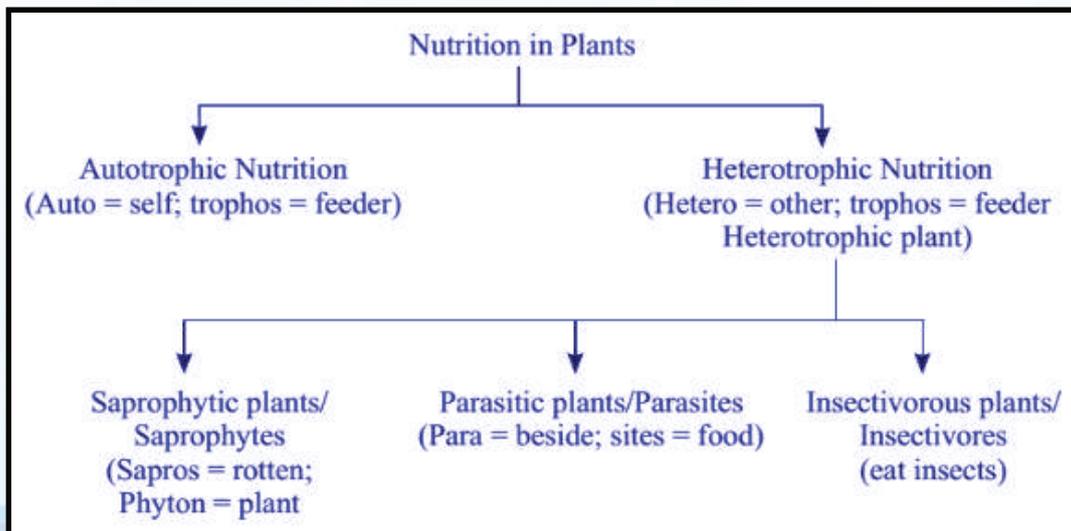**Reason (R):** We use a clinical thermometer to measure the degree of hotness of our body.

ii) **Assertion (A)**: Our mouth has the salivary glands which secrete saliva.

Reason (R): The saliva does not break down the starch into sugar.

iii) **Assertion (A)** : Neutralisation reaction is accompanied by evolution of heat.

Reason (R) : Neutralisation reaction is a reaction between an acid and a base to form salt and water.

4.

```
                        Nutrition in Plants
                              │
          ┌───────────────────┴───────────────────┐
          ▼                                        ▼
  Autotrophic Nutrition                  Heterotrophic Nutrition
(Auto = self; trophos = feeder)        (Hetero = other; trophos = feeder
                                            Heterotrophic plant)
                                                  │
                              ┌───────────────────┼───────────────────┐
                              ▼                    ▼                   ▼
                    Saprophytic plants/    Parasitic plants/Parasites   Insectivorous plants/
                        Saprophytes        (Para = beside; sites = food)    Insectivores
                      (Sapros = rotten;                                    (eat insects)
                       Phyton = plant
```
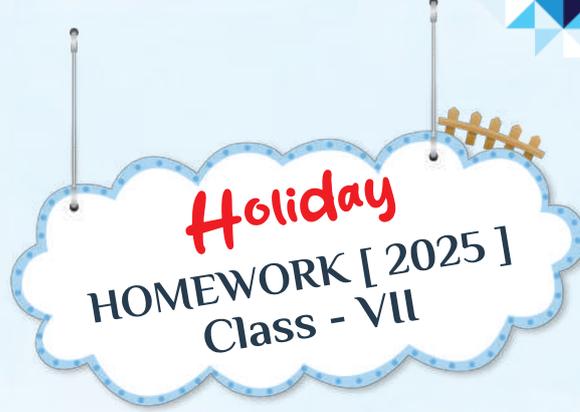
Observe the given flowchart and answer the following questions.
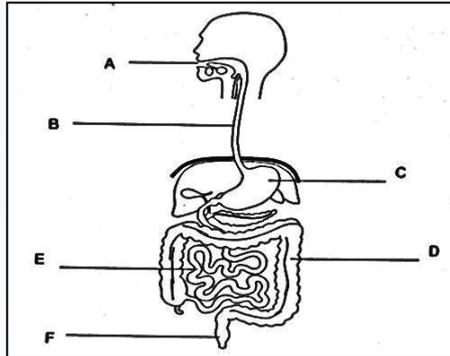a) Why do insectivorous plants eat insects?
b) Define the heterotrophic mode of nutrition in plants. Give examples
c) Why is photosynthesis important for us? Give three reasons to support your answer.
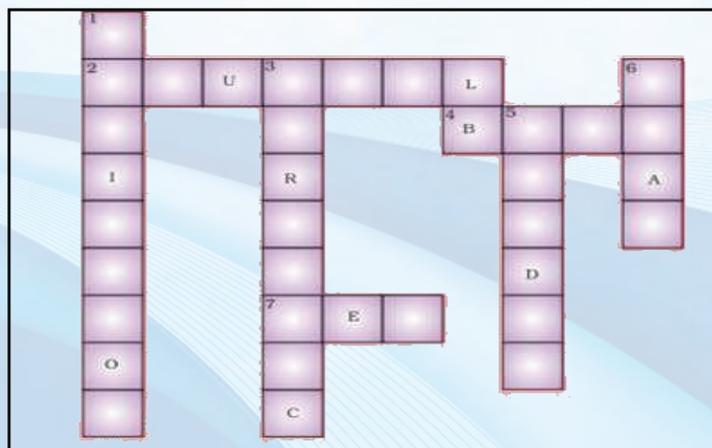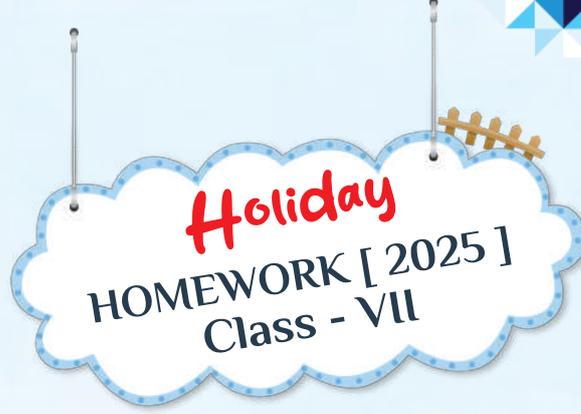
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5.

Redraw the diagram and label the parts mentioned where

(a) water gets absorbed from undigested food

(b) digested food gets absorbed
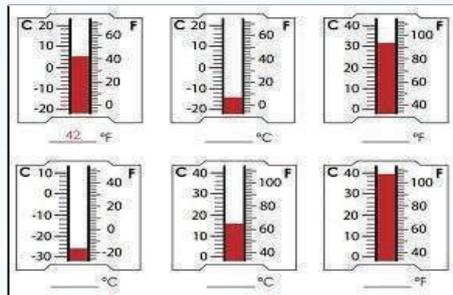
(c) digestion of carbohydrates start

(d) HCl is produced

6. Fill in the cross word given with the help of the clues provided.

Across	Down
(2) The solution which does not change the colour of either red or blue litmus. (4) Phenolphthalein gives pink colour in this type of solution. (7) Color of blue litmus in lemon juice.	(1) It is used to test whether a substance is acidic or basic. (3) It is a natural indicator and gives pink colour in the basic solution. (5) Nature of ant's sting. (6) It is responsible for an increase in temperature during a neutralisation reaction.

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7. Write the temperature shown by each thermometer.

8. Note the body temperature of your family members using a clinical thermometer and complete the table given below.

Sr No.	Name	Time	Temperature

9. Your gut health impacts more than just digestion; it influences your immune system, mood, and even skin health. Prioritise fibre-rich foods, stay hydrated, and manage stress to support a thriving gut ecosystem. Design an interesting board game on gut health.
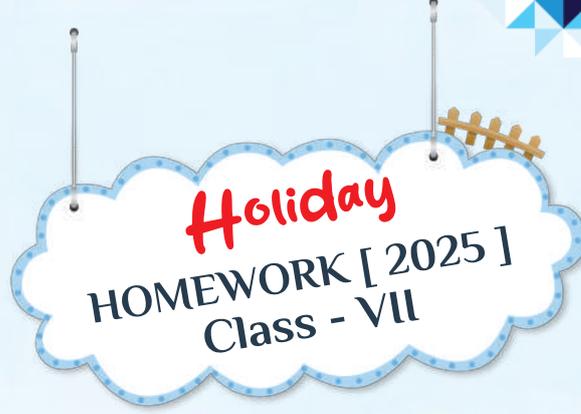
Work on any one under mentioned projects .
1. Make a timeline of major scientific inventions and discoveries.
2. Write about how science and society are connected.
3. **B**ecome kitchen healers! Create a video on the medicinal wonders found in your pantry.

   Instructions:-
4. Time limit of the video should be 1 to 2 minutes.

5. Voiceover or narration of the content should be clear.

6. The video has to be sent to the subject teacher through whatsapp till 4th of July.

7. While sending the video please follow the format to mention the details :-
   Name- Class- Roll no.- Topic-

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STEAM ACTIVITY

Activity:- Rubber Band Car / Balloon Buggy Challenge

Objective:
Explore concepts of energy, motion, and friction by building a simple car powered by either a rubber band or a balloon.

Instructions:

1. Choose one of the following to make at home:

Rubber Band Car/ Balloon Buggy

2. Use recyclable or craft materials to build your car.

3. No motor or electric parts should be used.

4. Test your car on a flat surface at home and measure the distance it travels in a straight line.

5. Record a short video showing:

.How the car works
.The distance it travels

6. Bring your car model to school for a fun competition!

The car that travels the longest distance on the flat surface will be awarded.
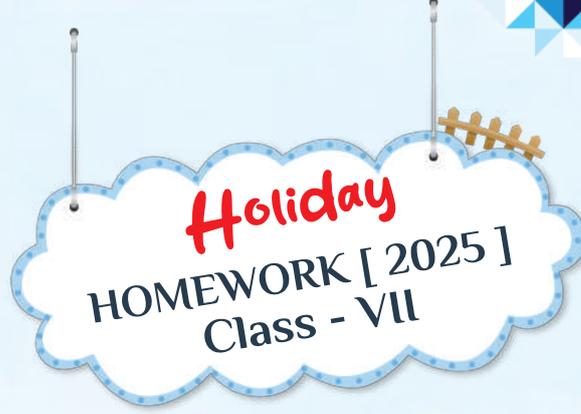
Note: This activity helps you learn about:

.Kinetic and potential energy
.Air pressure or elastic force
.Friction and motion.

https://youtube.com/shorts/uX0zIM9cCEw?si=_VRKrd6BzlFVcH52

https://youtu.be/8kf2_6u4IgY?si=N1LTpTcaueohRH8a

https://www.youtube.com/watch?v=f22hAgv6XWQ&list=PLlBVuTSjOrcl90xJhFZxj18p3vd
bVoh2p

MATHEMATICS
"Mathematics is, in its own way, the poetry of logical ideas."
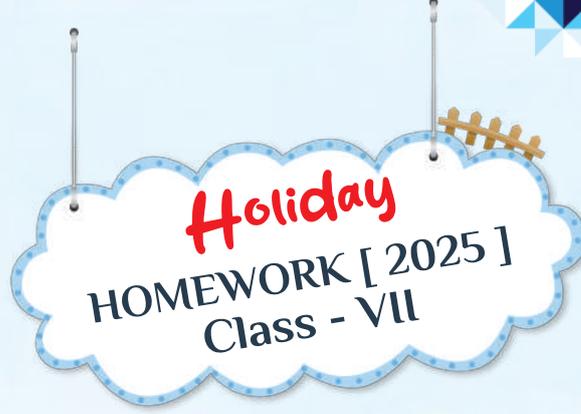**Albert Einstein**

General Instructions:

- Part 1 is the project.
- Part 2 is the worksheet, which is the recapitulation of the work which has been done so far.
- Solve the worksheet on the A4 size ruled sheets.
- Attempt all the questions neatly and in serial order.
- The last date of submitting the holiday homework is 4th July 2025.

PART -1

PROJECT: A Hands-On Tabletop Adventure!

- Measure the sides of a rectangular table (dining/centre table) of your house. Calculate the perimeter and area of the table.
- Determine the amount of cloth needed for a tablecloth with a 10 cm overhang around the table.
- Find both the total area of the cloth and the area of just the hanging part.
- If you have to fix three rounds of lace around the table, how much lace will you need?
- If the cost of 1 metre lace is Rs 45, calculate the amount of money you spend on lace.
- Four square table mats, each with a side length of 12 cm, are placed on the rectangular table. Calculate the total area covered by the table mats.
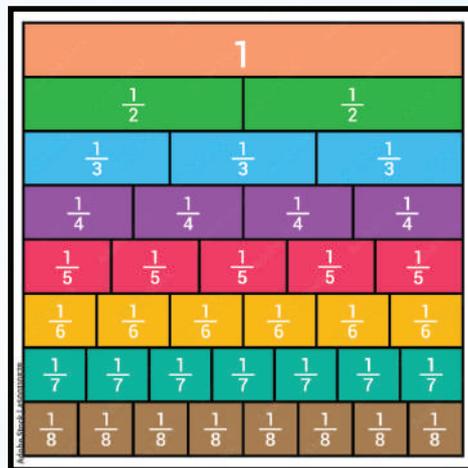- Also, determine the area of the remaining table surface.

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MODEL:

Roll No. 1-5 : Working model of Pythagoras Theorem
https://pin.it/IVLgY9PyZ

Roll No. 6 onwards : Equivalent fraction strips booklet or chart.
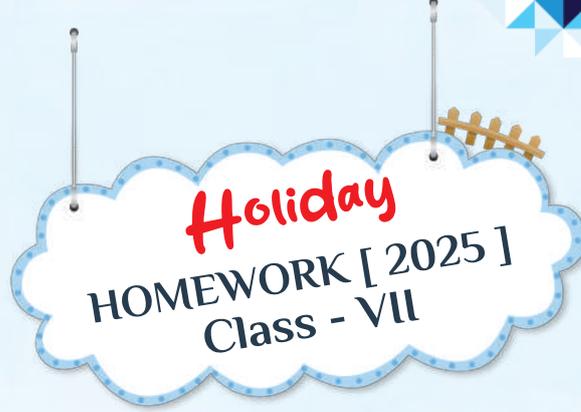https://pin.it/1MmdLVHqW

The links have been given for your reference. Students are free to use their own creativity.
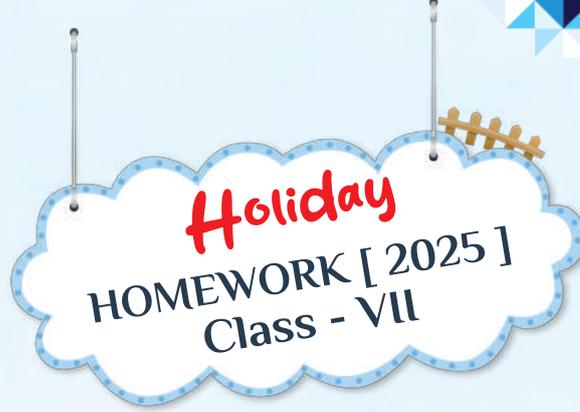
PART-2 (WORKSHEET)

1. A piece of wire is of length $12\frac{3}{4}$ m. If it is cut into two pieces in such a way that the the length of one piece is $5\frac{1}{4}$ m, what is the length of the other piece?

2. Additive inverse of 2695 + 1054 is _____.

3. The product of 0.015 ×0.037 is _____.

4. The multiplicative inverse of -19 x 6 = _____

5. During summer, the temperature within a room is 37 . If an air conditioner cools the room by 5 /min. What will be the temperature of the room after 5 minutes of switching on the air conditioner?

6. A dishonest shopkeeper uses a weighing machine which weighs 900 g as 1kg. The cost per kg of sugar is ₹ 40. How much money did the shopkeeper earn by selling 3 kg of sugar to the customer?

7. What is the difference between the greatest two digit positive and smallest three-digit negative number?

8. Evaluate: (-216) – (-315) + (-98) – (71) + (28) – (-56)

9. Verify : (-25) ×[(-7) + (-15)] = [(-25) ×(-7)] + [(-25) ×(-15)]

10. If $\frac{2}{3}$ of a number is 6, find the number.

11. What number should be placed in the blank to make the equation true?

   5.32 - _____ = 5.32 + (-7.89)

12. If 'P' means 'x', 'Q' means '÷', 'R' means '+' and 'S' means '-', then which of the following statements will be correct?
   a. 4 P 3 S 16 R 4 = 10   b. 15 P 2 S 8 Q 2 = 25
   c. 4 P 3 S 8 Q 2 R 2 = 10   d. 17 S 4 Q 4 R 2 = 20

13. Find the next element of the following series: 14, 22, 34, 50, 70, ?
   a. 100   b. 94   c. 80   d. 96

14. What will be the result if
a. (-1) is multiplied to itself 6 times?
b. (-1) is multiplied to itself 9 times and then 1 is multiplied to it 5 times?

15. Solve:
a. 3d + 1 = 10
b. 7(x-2) - 4(5-x) = 1
c. 2x + 6 = 8x

16. The sum of three consecutive multiples of 4 is 444. Find them.
17. Find the number which when multiplied by 7 is increased by 78.

18. Find the numbers such that one of them exceeds the other by 9 and their sum is 81.

19. The length of a rectangular field is twice its breadth. If the perimeter of the field is 228 meters. Find the dimensions of the field.

20. Mrs. Jain is 27 years older than her daughter Nitu. She will be twice as old as Nitu. Find the present age.

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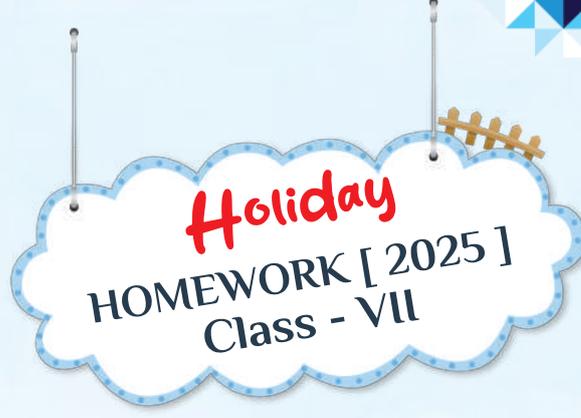
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Computer:

Create a Digital Poster

- Use a design tool (e.g., Canva, PowerPoint) to create a digital poster about a topic of your choice (e.g., favorite movie, sports team).
- Include images, text, and other graphics.

Hindi

1-मन्नू भंडारी की एक कहानी 'आँखों देखा झूठ' पढ़िए। कहानी की रचना का आवरण पृष्ठ डिजाइन कीजिए।
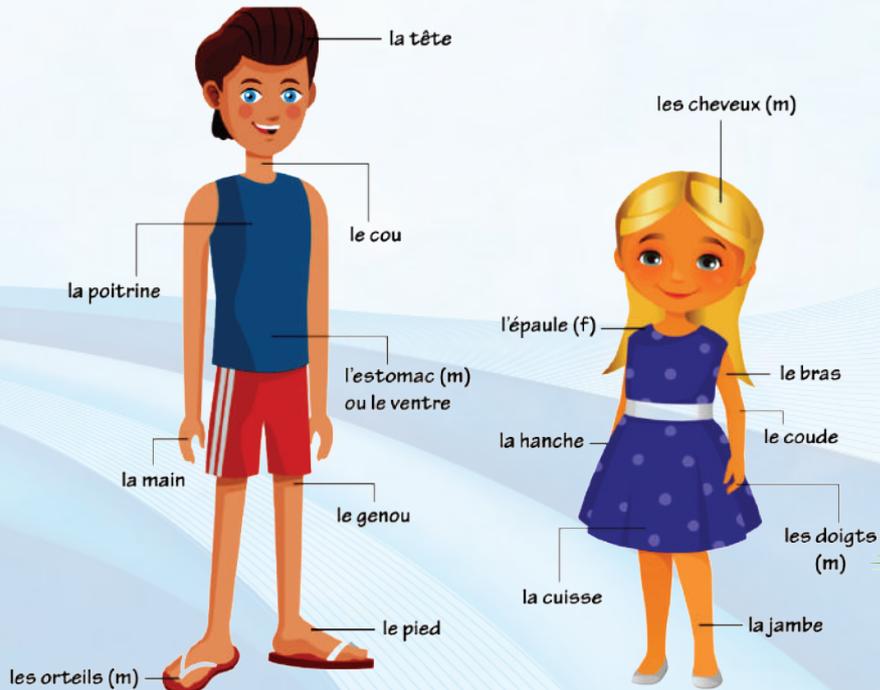
2. रचनात्मक कार्य:

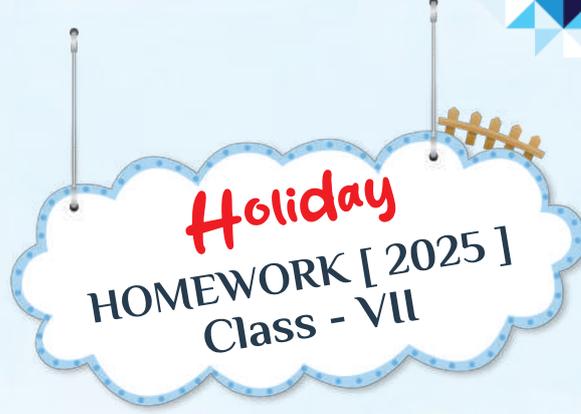एक पोस्टर बनाएं जिसमें 'बेटी बचाओ, बेटी पढ़ाओ' पर संदेश हो।

SANSKRIT -

1-मम परिचय , संस्कृत में 8 से 10 लाइन A4 size sheet पर लिखिए।
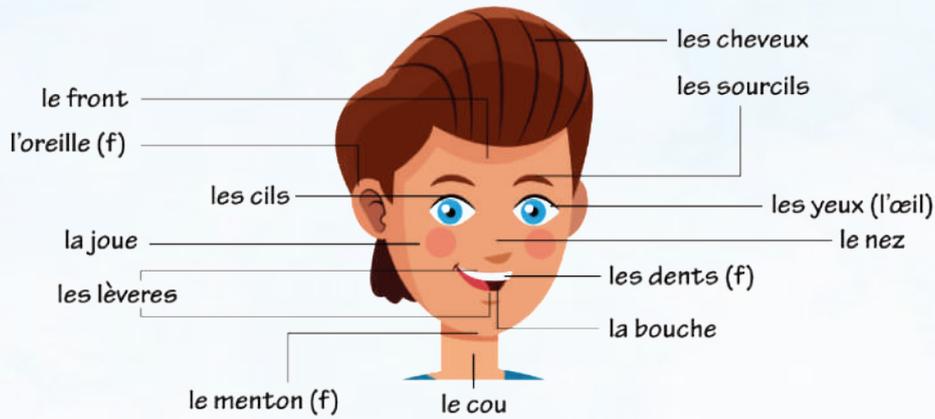
French

Parties du corps

la tête

les cheveux (m)

le cou

la poitrine

l'épaule (f)

le bras

l'estomac (m)
ou le ventre

le coude

la hanche

la main

les doigts
(m)

le genou

la cuisse

la jambe

le pied

les orteils (m)

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Le visage

les cheveux

les sourcils

le front

l'oreille (f)

les cils

les yeux (l'œil)

la joue

le nez

les lèveres

les dents (f)

la bouche

le menton (f)

le cou

Name the body parts

Question: Qu'est-ce qui vous motive à apprendre le français ?

(What motivates you to learn French? Write 6-7 lines)