Army Public School Mil.Stn. Bathinda

Art & Craft Holiday Homework

Session 2024-2025

Class	Activity
Class 8th	• Draw two A4 sheets of Mandala Art. or • Make a beautiful Greeting card for any occasion.

ARMY PUBLIC SCHOOL, BATHINDA
SUBJECT- GENERAL KNOWLEDGE
CLASS-VIII (2024-25)
HOLIDAYS HOMEWORK

1. **Revise the syllabus of Periodic Test 1.**

2. **Write the following information about Lok Sabha Elections 2024 on assignment sheet:**

    I. **Any 5 newly elected MPs, their seats and winning margin.**

ARMY PUBLIC SCHOOL BATHINDA MIL. STN.

SUMMER HOLIDAYS HOMEWORK

CLASS: VIII (2024-25)

SUBJECT: MATHEMATICS

1. Revise PT1 syllabus (chapter 1, 2 and 3).

2. Two practice assignments are given in this file. Attempt these questions on assignment pages.

3. One math activity is attached in this file. Do that activity on lab manual/activity notebook.

MATH ASSIGNMENT-A

Q1. Verify the property x × y = y × x of rational numbers by using x = -7 and y = $\frac{1}{2}$
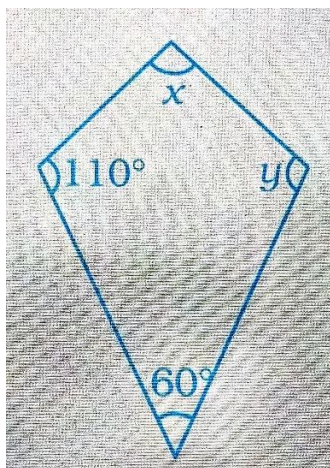
Q2. Solve $\frac{5x}{2x-1} = 2$

Q3. Solve: 5(x-1) – 2(x+8) = 0

Q4. A photo frame is in shape of a quadrilateral. With one diagonal longer than the other. Is it a rectangle? Why or why not?

Q5. Verify the property (x + y) + z = x + (y + z) of rational numbers by taking x = 2, y = -3 and z = 6
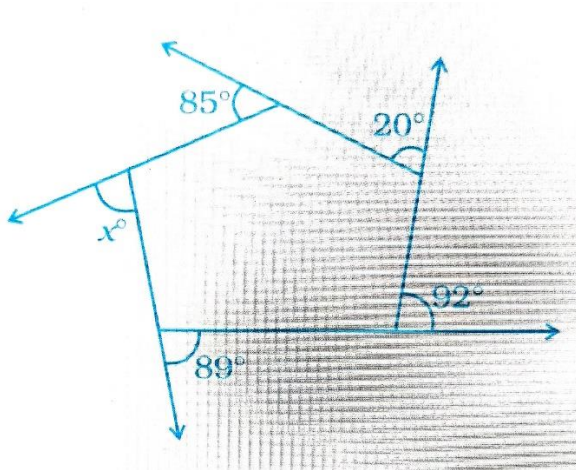
Q6. Solve: 0.16 (5x-2) = 0.4x + 7

Q7. Find the value of x and y in the following kite.

Q8. Write 3 properties of a parallelogram.

Q9. Solve: m - $\frac{m-1}{2}$ = 1 - $\frac{m-2}{3}$
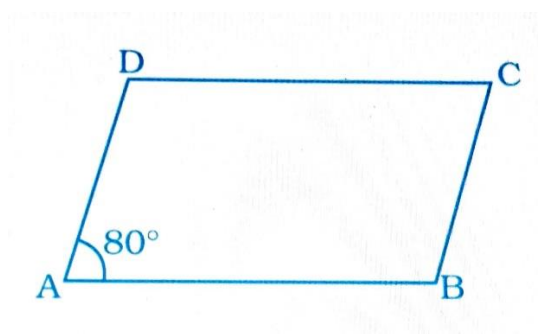
Q10. In this figure, find the value of x

MATH ASSIGNMENT-B

Q1. Verify the property x + y = y + x of rational numbers by using x = 3 and y = -$\frac{5}{6}$

Q2. Solve: 10x – 5 – 7x = 5x + 15 - 8

Q3. Find the measure of each angle of a regular quadrilateral.

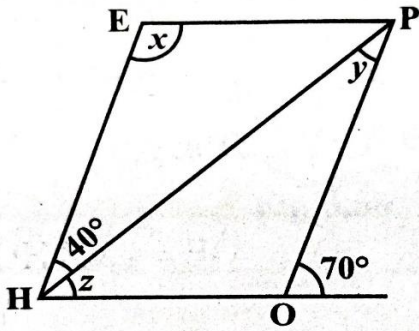Q4. In parallelogram ABCD, find angle D and angle C.

Q5. Simplify: $\frac{7}{8}$ + $\frac{24}{3}$ × $\frac{16}{7}$

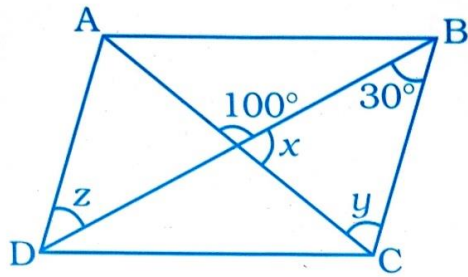Q6. Solve: $\frac{3x+2}{2x-3}$ = -$\frac{3}{4}$

Q7. The given figure HOPE is a parallelogram. Find the angle measures x, y and z.

Q8. Write 3 properties of a kite.

Q9. Solve: $\frac{3t-2}{3} + \frac{2t+3}{2} = t + \frac{7}{6}$

Q10. ABCD is a parallelogram. Find the value of x, y and z.

Activity 9

Topic : Interior and Exterior Angles of a Triangle

Objective
Using cutting and pasting method, show that an exterior angle of triangle is equal to the sum of its interior opposite angles.

Pre-requisite Knowledge
(i) Knowledge of a polygon and its components.
(ii) Concept of exterior and interior angles of a triangle.
(iii) Knowledge of a straight angle.
(iv) Knowledge of adjacent angles.

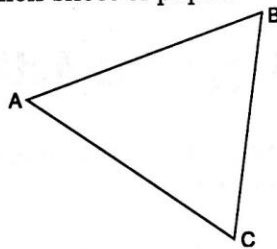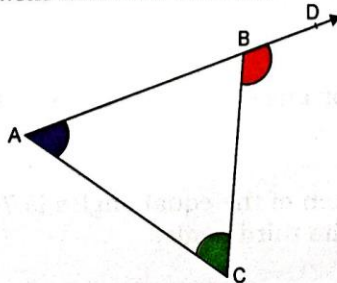**Materials Required**
- A tracing paper
- A thick paper, A scale
- A pencil, Sketch pens
- A pair of scissors
- A sheet of white paper, Fevicol.
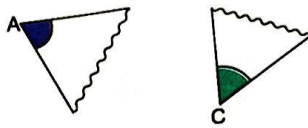
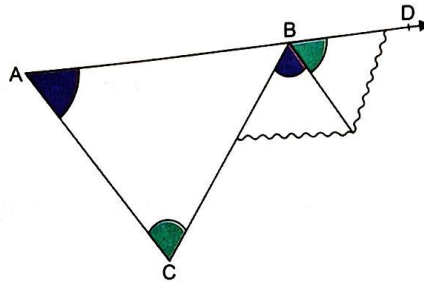## Procedure
I. Draw a triangle ABC on a thick sheet of paper.

II. Extend its side AB such that an exterior $\angle CBD$ is formed.

III. Paint $\angle A$, $\angle C$ and $\angle CBD$ with different colours.

Page **4** of **6**

IV. Trace ∠A and ∠C and take their cut-outs.

V. Arrange and paste the cut-outs of ∠A and ∠C side by side such that their vertices coincide with the vertex of exterior ∠DBC as shown below:

Observations

(i) ∠A and ∠C together exactly cover the exterior ∠CBD

i.e., ∠A + ∠C = ∠CBD

(ii) If we extend other sides, and repeat the above steps, then we get the similar results.

Conclusion

In a triangle, exterior angle is equal to the sum of interior opposite angles.

🪑 Suggested Activity

1. Using paper cutting and pasting, show that an exterior angle of a triangle forms a linear pair with its adjacent interior angle.

✓ Viva Voce

Q1. If an exterior angle of a triangle is 105°, what is the sum of its interior opposite angles?

Ans. 105°

Q2. The measure of an exterior angle of a triangle is 110°. What is the measure of its adjacent interior angle?

Ans. 70°

Q3. In an isosceles triangle, each of the equal angles is 70°. What is the measure of the exterior angle adjacent to its third angle?

Ans. 140°

Q4. What is the measure of each angle of an equilateral angle?

Ans. 60°

Q5. Each of the interior angle of an equilateral angle is 60°. Is each of its exterior angles equal?

Ans. Yes

Q6. Since, all the exterior angles of an equilateral triangle are equal to each other, what is the measure of each exterior angle?

Ans. 120°

Q7. In the figure what is the value of x?
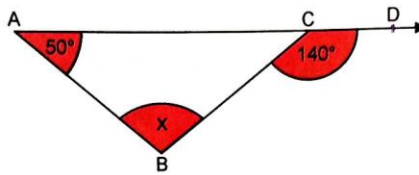
Ans. 90°

Q8. Three angles of a triangle are in the ratio of 3 : 4 : 5. What is the measure of the exterior angle adjacent to its smallest angle?

Ans. 135°

Q9. If the greatest angle of a triangle is 100° then what is the measure of its adjacent exterior angle?

Ans. 80°

Q10. What is the sum of an exterior angle and its adjacent interior angle of a triangle?

Ans. 180°

Q1. REVISION - Revise all the chapters done in class and syllabus of Periodic Test I as mentioned below:

1. **Reading**
   - Unseen Comprehension Passage

2. **Grammar and Writing**
   - Ch 2 - More about Sentences
   - Ch 3 - Nouns
   - Ch 21 – Notice Writing

3. **Literature**
   Book: Honeydew
   - Ch 1 - The Best Christmas Present in the World
   - Ch 2 -The Tsunami
   Poems:
   - P 1 - The Ant and the Cricket
   - P 2 – Geography Lesson

   Book: It So Happened
   - Ch 1 - How the Camel got his Hump

Q2. ARTICLE - Write an article for the School Magazine. **Make sure that it is not copied from any source.**

Q3. PROJECT WORK

- Make a sketch, doodles, stick figures, cartoons etc. to depict a scene from the chapter 'Glimpses of the Past', it should be in the form of a script or comic and then describe the same in the form of an article in 80-100 words.

Q4. ASSIGNMENT

I. Objective Questions.

- **Answer in one word/line.**
1. Which major event from the world history is being talked about in 'The Best Christmas Present in the World'?
2. Why did not the writer prefer to buy a new 'Oak' roll top desk?
3. The roll top desk was damaged by_____.
4. When was the letter delivered to Connie?
5. The letter was written on the Christmas morning of 1914. (True/False)
6. Tommies began the wonderful gesture on Christmas day. (True/False)
7. Captain Jim Macpherson was the first one to come out of the trench. (True/False)
8. Had Hans Wolf ever been to Dorset?
9. Who preferred Cricket over Football?
10. Ignesious' wife saved her life by running away. (True/False)
11. Why did Sanjeev jump into water?
12. Meghna was brought to the shore by a lifeboat. (True/False)
13. What did the camel like to do?
14. Does the camel catch up with the three days at the beginning of the world?
15. When did the animals start working for humans?

II.   Subjective Questions.

- **Answer in 30-40 words.**
1. Describe the morning as described by Jim in his letter.
2. Where and how did the writer find the letter?
3. What did Connie do when the writer had returned her letter?
4. Why did the 'Three' call the man? What was the Man's reply to their complaints?
5. How was Tilly Smith able to save many lives in Thailand?
6. Describe the destruction caused at Yala National Park.
- **Answer in 80-100 words.**
1. Draw the character sketch of Jim Macpherson and Hans Wolf.
2. Describe the writer's search for Connie Macpherson and his meeting with Connie.
3. Mention the moral lessons that can be learnt from the story 'How the Camel Got his Hump' using some real life examples.
4. What are the two theories given for the lesser number of casualties of animals? Mention the incidents which prove these theories.

आर्मी पब्लिक स्कूल, बठिंडा छावनी

सत्र- 2024-25

ग्रीष्मावकाश कार्य

विषय –संस्कृत

कक्षा –अष्टम्

कार्य पत्रिका - 1

प्रश्न1- श्लोकान् पठित्वा प्रश्नान् उत्तरत।(श्लोकों को पढकर प्रश्नों के उत्तर दें)

(क) गुणा गुणज्ञेषु गुणा भवन्ति, ते निर्गुणं प्राप्य भवन्ति दोषाः।

सुस्वादुतोयाः प्रभवन्ति नद्यः, समुद्रमासाद्य भवन्त्यपेयाः।।

(ख) लुब्धस्य नश्यति यशः पिशुनस्य मैत्री,

नष्टक्रियस्य कुलमर्थपरस्य धर्मः।

विद्याफलं व्यसनिनः कृपणस्य सौख्यं ,

राज्यं प्रमत्तसचिवस्य नराधिपस्य ।।

 (I) गुणाः केषु गुणाः भवन्ति?

 (क) अज्ञेषु (ख) गुणज्ञेषु (ग) दोषज्ञेषु

(II) गुणाः कं प्राप्य दोषाः भवन्ति?

 (क) दुर्गुणम् (ख) अगुणम् (ग) निर्गुणम्

(III) पिशुनस्य का नश्यति?

 (क) विद्या (ख) यशः (ग) मैत्री

(IV)नष्टक्रियस्य किम् नश्यति?

 (क) धर्मः (ख) कुलम् (ग) यशः

2- पूर्णवाक्येन उत्तरत -

    (I)   काः समुद्रमासाद्य अपेयाः भवन्ति?

    (II)   नद्यः कम् आसाद्य अपेयाः भवन्ति ?

3- प्रथम सावधिक परीक्षा के लिए कक्षा में कराये गये पाठों का दोहराव करे।

गतिविधि- विद्यालय सेअवकाश के लिए प्रधानाचार्या को संस्कृत में प्रार्थनापत्र लिखें।

4. परियोजना कार्य- समय लेखन- विद्यालय की समय सारणी में नीचे लिखे अंकों के स्थान पर संस्कृत शब्दों में समय लेखन (सचित्र)

  प्रार्थनासभा- 7:oo बजे

प्रथम कालांश- 7:30 बजे

अर्धावकाशः -10:30 बजे

 विविधाक्रीडा- 10:45 बजे

पूर्णावकाशः -12:30 बजे

कार्य पत्रिका - 2

प्रश्न1.रिक्तस्थानानि पूरयत।

(I) गिरिशिखरे ननु_____ ।

(II) जहीहि भीतिं भज भज_____ ।

(III) चिन्तनीया हि विपदाम्_____ प्रतिक्रियाः ।

प्रश्न2.सन्धि विच्छेदं कुरुत ।

(I) सर्वमेव - .... + ...

(II) सदैव - ....+ ....

(III)भवन्त्यपेयाः - .... + ...

(IV) पदस्यास्य - .... + ...

(V) इत्यनयोः - .... + ...

प्रश्न3. शब्दानांवाक्यप्रयोगं कुरुत (शब्दों का वाक्य में प्रयोग करें)

(I) पुरतः (II) नागः (III)आवश्यकता (IV) सामग्री (IV) जिज्ञासा

प्रश्न4.अधोलिखित तद्भव शब्दानां कृते संस्कृत पदानि लिखत। (अधोलिखित तद्भव शब्दो के संस्कृत शब्द लिखें)

(I) तिनका (II) लोभी (III) कंजूस (IV) मधुमक्खी

प्रश्न5.अधोलिखित पद्यांशं पठित्वा प्रश्नान् उत्तरत।

पथि पाषाणा विषमाः प्रखराः।

हिंस्राः पशवः परितो घोराः।।

सुदुष्करं खलु यद्यपि गमनम्।

सदैव पुरतो निधेहि चरणम्।।

(अ) एकपदेन उत्तरत -

(क) पथि विषमाः के सन्ति ?

(ख) पुरतः किं निधेयम् ?

(ब)पूर्णवाक्येन उत्तरत-

(क) पथि किं -किं काठिन्यम् वर्तते ?

(ख) पशवः कीदृशाः सन्ति ?

(स) विलोमपदं लिखत -

(क) समाः   (ख) आगमनम् (ग) पृष्ठतः

ARMY PUBLIC SCHOOL BATHINDA
CLASS VIII
SUBJECT- SCIENCE
SUMMER HOLIDAY ASSIGNMENT

FILL UPS (1*4=4M)
Q1. Now a days, _____ a petroleum product is used instead of _____ for surfacing the road.
Q2. Cholera is caused by _____.
Q3. PCRA stands for_____.
Q4. _____ is an example of weedicide.
Q5. How are grains stored after harvesting? (2M)
Q6. How is fermentation useful for us? (2M)
Q7. Why is it necessary to use fossil fuels only when absolutely necessary? (2M)

Activity: Write about 10 different crops grown in India mentioning their climatic conditions and type of soil required. Also mention their sawing and harvesting period and categorise them as Rabi and kharif crops.

Revise Ch-1, Crop production and management
Ch-2, Microorganisms- Friends and foe
Ch-3, Coal and Petroleum

ARMY PUBLIC SCHOOL BATHINDA MIL STN
SUMMER HOLIDAY HOMEWORK 2024-25
SUBJECT: COMPUTERS
CLASS VIII

1. **Revision of Chapter No 1 and Chapter No 2**
2. **Make a Power Point Presentation on AIL Project** (Comparison of weather and vegetation between Punjab and Odisha)
3. **Minimum 13 slides are required.**

CLASS VIII SOCIAL SCIENCE	SUMMER VACATION HOMEWORK

1. ASSIGNMENT FROM HISTORY CH1 AND GEOGRAPHY CH 1&2 (10 QUESTIONS)
2. MAP WORK: HISTORY CH 1 & GEOGRAPHY CH 1 &2
3. CONCEPT MAP HISTORY CH 2
4. PASTE PICTURES OF RENEWABLE AND NON RENEWABLE RESOURCES IN FAIR
   NOTEBOOK OF GEOGRAPHY
5. REVISION OF PT 1 SYLLABUS

ARMY PUBLIC SCHOOL, BATHINDA MIL STN
PT -1 (2024-25)
Class: - VIII
Subject- ਪੰਜਾਬੀ (Punjabi)
Holiday Home Work

1 ਰਾਸ਼ਟਰੀ ਝੰਡਾ ਬਣਾਓ । (on A4 sheet)
  ਤਿੰਨਾਂ ਰੰਗਾਂ ਦੇ ਮਹੱਤਤਾ ਬਾਰੇ ਲਿਖੋ ।
2 ਜਮਾਤ ਵਿੱਚ ਕਰਵਾਏ ਗਏ ਕੰਮ ਨੂੰ ਯਾਦ ਕਰਨਾ ।

अवकाश कार्य

1. प्रथम इकाई परीक्षा पाठ्यक्रम याद करेंगे ।

2. कार्य पत्रिका-1 उत्तर पुस्तिका में हल करेंगे ।

3. विद्यालय पत्रिका के लिए स्वयं रचित कविता,कहानी,लेख,चुटकुले लिखेंगे ।

4. जीवन की किसी भी एक यात्रा का वर्णन अपने शब्दों में करें जो आपको अभी तक याद है ।

5. भारत की खोज पुस्तक से अध्याय-3 , 4 का पठन करें और मुख्य बिंदुओ को पैंसिल से रेखांकित करें ।

Army Public School Mil,Stn Bathinda

Music Holiday Home Work

Session 2024-2025

Class	Serial No	Activity
8th	Activity-1	Biography of Mohammad Rafi
	Activity-2	Make A Chart On Biography (Mohammad Rafi)
	Activity-3	Prepare And Write Two Songs by Mohammad Rafi

Teachers:- Mr.Tejpal

Mr.Yogesh Garg