

Std-VII

Summer Holiday Homework

Hindi

1. बारह हिंदी महीनों के नाम लिखकर उस माह में आने वाले त्योहारों का नाम लिखिए ।
2. बारह हिंदी महीनों के नाम लिखकर हिंदी अंको में २०२४ का वार्षिक कलेंडर बनाइए।
3. अपने मनपसंद विषय पर स्वरचित कविता लिखिए ।
4. अपने मनपसंद मौसम पर एक अनुच्छेद लिखिए ।

English

1. Write 50 verbs with their present, past and past participle form.
2. Write 10 sentences of each form of Present, Past and Future Tense.
3. Read the following lessons of lessons Unit-I “People at Work” of “My English Reader” and prepare the vocabulary works-(a) The New Assistant (b) Teachers’ prayer (c) The Vendor of Sweets (d) Caution- Men at Work

ACTIVITY:

1. Collect the pictures of some people involved in particular occupations. (At least 5) Write about them about their importance in our society. (Use Chart Paper – 1/2 pages)
2. Write a poem of your choice based on your vacation or nature.
3. Write a paragraph on how you spent your holidays.(80 words)

Odia

୧. 'କଳାମାଣିକରେ' କବିତାଟିକୁ ଆଧାର କରି ମା' ଯଶୋଦାଞ୍ଜଳି ମାତୁ ହୃଦୟର ବାଉଁଶକୁ ମମତା ପ୍ରକାଶ କରା(ଚିତ୍ର ସହିତ)
୨. ଗୁରୀଷ୍ଟମ ଅବକାଶ କିପରି କଟାଇବ ତାହାର ଏକ ଯୋଜନା ପ୍ରସ୍ତୁତ କରି ବନ୍ଧୁ ନିକଟକୁ ପଢ଼ର ଲେଖା।
୩. ଯଦି ତୁମକୁ ତୁମ ଶ୍ରେଣୀର ଶ୍ରେଣୀ- ପ୍ରତିନିଧି କରିଦିଆଯାଏ , ତେବେ ତୁମେ ତୁମ ଶ୍ରେଣୀର କିପରି ଭାବରେ ଶୁଭଖଳା ରକ୍ଷା କରିବ , ସେଥି ପ୍ରତି ତୁମର ଦାୟିତ୍ଵ ସମ୍ପର୍କରେ ଏକ ଯୋଜନା ପ୍ରସ୍ତୁତ କର ।
୪. ରାମାୟଣ କଥାବସ୍ତୁକୁ ଆଧାର କରି ଭରତଞ୍ଜଳର ଭାତୁଭକ୍ତିର ପରିଚୟ ପ୍ରଦାନ କରି ସେ ସମ୍ପର୍କରେ ଦଶଧାଡ଼ି ଲେଖା।

Sanskrit

1. बालक ,लता ,अस्मद् ,युष्मद् ,शब्दरूपाणि लिखन्तु ।
2. किम् शब्दरूपं त्रिषु लिङ्गेषु लिखित्वा स्मरन्तु ।
3. भू ,गम् ,नम् लिख , (लट् ,लङ् ,लृट लकारेषु)धातुरूपाणि लिखन्तु ।
4. अव्यय पदानि प्रयुज्य वाक्यनिर्माणं कुर्वन्तु ।
अद्य , एकदा , कुत्र , च , किमर्थं , परितः ,

5. उपकाराकाः वृक्षाः पाठं पठन्तु संचिकायां (note book)मध्ये लिखन्तु ।
6. सुवचनानि पाठस्य श्लोकद्वयम् स्मरन्तु ।
7. पृष्ठ संख्या 59 पठित्वा रिक्तस्थानानि पूरयन्तु ।
9. सत्सङ्गति ,क्षमा ,सत्यं ,धर्म ,ज्ञानं इत्यादीन् विषयान् अधिकृत्य एकां एकां सूक्ति संकलनं कुर्वन्तु ।
10. पञ्च पञ्च वाक्येषु अनुच्छेदं लिखन्तु -
i .मम परिचयः ii .मम मित्रम्

SOCIAL SCIENCE

1. Differentiate between the physical and the biological environment. (Geo)
2. On an outline map of India. Locate and label the areas of major soil types. (Page no.-11) (Geo)
3. Prepare a comparative table as per the following format about the Rashtrakutas, the Palas and the Pratiharas from different sources.

Dynasty	Names of the Kings	The Period	Religion	Literary Achievements	Art and Architecture
Rashtrakutas					
Palas					
Priharas					

4. Collect the pictures of miniature painting and mural painting and differentiate between them.
5. Collect the information about Shankaracharya.
6. Recite and make a preamble stretch book.

science

1. What is symbiotic relationship? Explain with example.
2. Make chart for cations and anions.
3. Make model for the modes of nutrition in different animals of jungle.
4. Explain the process of photo synthesis. Write its equation. Also write the raw materials and products.

5. What do you mean by nutrients and ingredients?
6. What is food chain?

MATHEMATICS

WORKSHEET-1

- Verify whether the following pair of rational numbers are equivalent or not.
 - $\frac{-7}{3}$ and $\frac{28}{-12}$
 - $\frac{17}{7}$ and $\frac{49}{11}$
- Express $\frac{5}{8}$ as a rational number with
 - Numerator -75
 - Denominator 64
- Simplify the following.
 - $(-105) \times 3 + 285 - 147$
 - $[225 \div (-15)] \times [(-121) \div 11]$
- Write the rational numbers in $\frac{p}{q}$ form if,
 - Numerator = $5 \times (-3)$ and denominator = $(-11) + 7$
 - Numerator = $75 \div (-5)$ and denominator = $13 - (-12)$
- Find the value of x and y in each of the followings.
 - $\frac{5}{8} = \frac{65}{x} = \frac{y}{-512}$
 - $\frac{9}{x} = \frac{-27}{y} = \frac{1}{-3}$
- Write the following rational numbers in standard form,
 - $\frac{84}{-124}$
 - $\frac{-125}{210}$
- Write the absolute values of the following rational numbers
 - $\frac{-7}{3}$
 - $\frac{1}{-3}$
 - $\frac{-9}{-12}$
 - $\frac{28}{-12}$
- Represent the following rational numbers on the number line.
 - $\frac{-17}{3}$
 - $\frac{11}{-3}$
 - $\frac{19}{5}$
 - $5\frac{3}{7}$
- Arrange in ascending order.
$$\frac{-5}{6}, \frac{11}{-12}, \frac{-8}{9}, \frac{7}{-8}$$
- Arrange in descending order.
$$\frac{13}{8}, \frac{15}{12}, \frac{-18}{16}, \frac{7}{-8}$$
- Write a short biography on any one Indian mathematician and his/her contribution to mathematics.

12. Add: (i) $\frac{9}{11}$ and $\frac{17}{11}$ (ii) $\frac{7}{-18}$ and $\frac{-19}{18}$ (iii) $\frac{-13}{15}$ and $\frac{17}{30}$
 (iv) $\frac{23}{25}$ and $\frac{11}{15}$

13. Subtract: (i) $\frac{8}{15}$ from $\frac{23}{15}$ (ii) $\frac{-17}{-18}$ from $\frac{-9}{18}$ (iii) $\frac{-11}{12}$ from $\frac{-17}{-16}$
 (iv) $3\frac{3}{5}$ from $\frac{11}{15}$

14. Name the following properties. (where x, y and z are rational numbers)

(i) $x + y = y + x$.

(ii) $x \times y = y \times x$.

(iii) $x + (y + z) = (x + y) + z$.

(iv) $x \times (y \times z) = (x \times y) \times z$.

X z.

(v) $x \times (y + z) = (x \times y) + (x \times z)$.

15. Simplify:

(i) $\frac{4}{5} + \frac{7}{4} + \frac{11}{15} + \frac{9}{8}$.

(ii) $\frac{-5}{12} + \frac{8}{-6} + \frac{15}{18} + \frac{-17}{36}$.

(iii) $3\frac{1}{4} - 2\frac{5}{8} + 1\frac{2}{5} - \frac{-7}{2}$.

16. (i) If $x = \frac{-5}{8}$, $y = \frac{9}{4}$, verify that $x + y = y + x$.

(ii) If $p = \frac{-5}{7}$, $q = \frac{5}{4}$, verify that $p - q \neq q - p$.

(iii) If $a = \frac{-15}{8}$, $b = \frac{-9}{12}$, verify that $a \times b = b \times a$.

(iv) If $x = \frac{-15}{18}$, $y = \frac{9}{6}$ and $z = \frac{-11}{12}$, verify that $x + (y + z) = (x + y) + z$.

(v) If $x = \frac{-15}{18}$, $y = \frac{9}{25}$ and $z = \frac{-11}{12}$, verify that $x \times (y \times z) = (x \times y) \times z$.

WORKSHEET-2

1. Represent $\frac{1}{5}$; $\frac{-3}{5}$; $\frac{7}{5}$ on the same number line.

2. Find 'x' if $\frac{2}{7} = \frac{4}{x}$.

3. On a number line what is the length between $\frac{-1}{5}$ and $-2\frac{1}{5}$.

4. Compare the pair of rational numbers $|\frac{-8}{7}|$ and $|\frac{8}{5}|$.

5. Which one is greatest out of $\frac{2}{5}$; $\frac{-5}{5}$; $\frac{7}{5}$.

6. Arrange the following in ascending order:

$$\frac{4}{7}, \frac{5}{9}, \frac{2}{5}, \frac{1}{3}$$

7. Arrange the following rational number in descending order.

(i) $-3/10, -7/5, 9/-15, 18/30$

(ii) $-3/4, -5/-12, -7/16, 3/2$

8. (a) Find the missing number:- $\frac{105}{\text{---}} = \frac{\text{---}}{-99} = \frac{-5}{-11}$

(b) Compare :- $\frac{-5}{7}$ and $\frac{9}{-13}$

9. Find any three rational numbers between $\frac{-2}{3}$ and $\frac{1}{2}$.

10. Represent the following on the number line.

a) $\frac{2}{3}$

b) $-\frac{25}{6}$

11. Express : $\frac{-4}{7}$ as a rational number with ; (i) numerators 12 (ii) denominator 42

12. Find the reciprocal of $\frac{-2}{3} \times \frac{5}{7} + \frac{2}{9} \div \frac{1}{3} \times \frac{6}{7}$

13. Arrange the rational numbers in descending order $\frac{-6}{5}; \frac{2}{-3}; \frac{7}{10}; \frac{8}{15}$

14. Arrange the rational numbers in ascending order $\frac{-16}{15}; \frac{-12}{-30}; \frac{7}{10}; \frac{6}{15}$.

WORKSHEET-3

1. Find the product of $-5/7$ and its reciprocal.

2. Verify $(X+Y)+Z=X+(Y+Z)$ for $X=2/5, Y=3/4$ and $Z=1/4$.

3. Verify $(X-Y)-Z \neq X-(Y-Z)$ for $X=1/5, Y=-3/5$ and $Z=2/5$.

4. Verify $(X+Y) \div Z = X \div Y + X \div Z$ for $X=1/3, Y=-3/4$ and $Z=2/5$.

5. A tin holds $16\frac{1}{2}$ litres of oil. How many such tins will be required to hold $313\frac{1}{2}$ litres of oil?

6. Show that $\frac{3}{5} \left(-\frac{1}{7} - \frac{5}{14} \right) = \frac{3}{5} \times \frac{-1}{7} - \frac{3}{5} \times \frac{5}{14}$

7. Divide the difference of $\frac{12}{5}$ and $\frac{-16}{20}$ by their product.

8. Verify $x + y = y + x$ by taking $x = \frac{5}{7}$ and $y = \frac{-3}{2}$

9. For $x = \frac{-5}{11}$ & $y = \frac{7}{3}$, Verify that $(x \div y)^{-1} = x^{-1} \div y^{-1}$

10. Simplify and express the result as a rational number in its lowest term.

$$\frac{2}{5} - \frac{1}{4} + (8.1 \times 2.7) \div 0.09$$

11. Simplify: $\frac{-4}{8} + \frac{7}{13} + 9$

12. Verify: $\frac{3}{5} \times (\frac{-1}{7} - \frac{5}{14}) = (\frac{3}{5} \times \frac{-1}{7}) - (\frac{3}{5} \times \frac{5}{14})$

13. Divide the sum of $\frac{5}{21}$ and $\frac{4}{7}$ by their difference.

14. For $x = \frac{3}{4}$ and $y = \frac{-9}{8}$, insert a rational number between $(x - y)^{-1}$ and $x^{-1} - y^{-1}$.

15. Find the value of $x - y$ and $y - x$ for $x = \frac{2}{3}$ and $y = \frac{5}{9}$. Are they same?

16. Simplify and express the result in standard form. $-4 \times (\frac{7}{3} - \frac{5}{6})$

17. The cost of $2\frac{1}{2}$ m of cloth is Rs $78\frac{3}{4}$. Find the cost of cloth per metre.

18. How many pieces each of length $3\frac{3}{4}$ m, can be cut from a rope of length 30 metres?

19. By what rational number should $\frac{-8}{39}$ be multiplied to obtain $\frac{5}{26}$?

20. Show that $\frac{3}{5} \times (\frac{-1}{7} - \frac{5}{14}) = (\frac{3}{5} \times \frac{-1}{7}) - (\frac{3}{5} \times \frac{5}{14})$

21. Verify that $(x - y)^{-1} \neq x^{-1} - y^{-1}$ by taking $x = \frac{-2}{7}$, $y = \frac{4}{7}$

WORKSHEET-4

1. Raju earns Rs16000 per month. He spends $\frac{1}{4}$ of his income on food; $\frac{3}{10}$ of the remainder on house rent and $\frac{5}{21}$ of the remainder on education of children. How much money is still left with him?

2. Simplify: $(-3/7) \times 6/5 + (1/10) \times 3/2 - (6/5) \times (1/14)$

3. If $6/7 \times (-3/13) + (3/26) - (3/13) \times (8/7) = (3/26) - (m) \times 2$, then what is the value of m?

4. If $x=2/3$, $y=4/5$, $z=3/4$ show that $x \div (y + z) \neq (x \div y) + (x \div z)$.

5. Simplify and Express the result in a lowest form.

$$\frac{2}{5} \times \frac{3}{4} + \frac{1}{25} \times \frac{1}{2} - \frac{2}{10} \times \frac{1}{5}$$

6.(a) The product of two numbers is $-\frac{25}{16}$, One number is $-\frac{5}{4}$, Find the other number.

(b) Find reciprocal of $\frac{2}{5} \times \frac{5}{7}$

7. By taking $x = \frac{-2}{3}$, $y = \frac{5}{9}$, $z = \frac{-1}{6}$, verify that $(x + y) \div z = (x \div z) + (y \div z)$

8. By taking $X = \frac{-3}{5}$, $Y = \frac{7}{10}$, $Z = \frac{-7}{4}$

Prove that $X \times (Y+Z) = X \times Y + X \times Z$

9. If 24 pairs of trousers of equal size can be prepared with 54 m of cloth, what length of cloth is required for each pair of trousers?

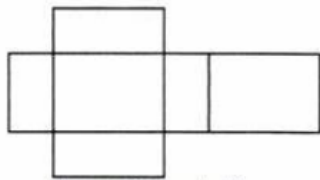
10. A car is moving at average speed of $36\frac{4}{5}$ Km per hour. What distance will it cover in $7\frac{1}{2}$ hour?

11. The product of two rational numbers is -9, if one of the number is -12. Find the other.

12. By taking $x = -\frac{5}{8}$, $y = \frac{2}{7}$, $z = -\frac{1}{4}$, verify that $x \div (Y - Z) \neq (X \div Y) - (X \div Z)$

ACTIVITY:

1. Write the life history of an Indian Mathematician and his/her contribution to mathematics. Also collect some photographs of the Mathematician.
2. Can you identify the following figure?



Yes, you are right. This is the net of a cuboid.

Is it the unique way to draw the net of a cuboid?

If no, make all possible types of nets of a cuboid.

3. Collect the names and pictures of different types of 2-D figures (polygons) and write their definitions and at least one property. (More properties can be written)

Computer

Write about any ten (10) computer hardware in 2-4 lines each along with images printed/drawn.