HOLIDAY HOMEWORK(2017-18)

Class8

Kids, the much awaited holidays are here yet again and it's time to play and have fun!! We have planned for you some fun activities to make the optimum use of your energy and give a vent to your creativity so that you continue learning during the holiday break as well.

☐ Parents are requested to encourage their ward to do the homework independently.
☐ They can help the child if he/she needs help.
☐ Creativity and originality of the work will be appreciate.

Listed below are some more interesting ways to make your vacation a memorable one.Books can be a lot of fun as they not only entertain you but also take you places and help in broadening your outlook. Here is a list of suggested readings for you. So get going and indulge in the delight of reading...

1. Adventures of Tom Sawyer - Mark Twain
2. The Happy Prince - Oscar Wilde
3. Karadi Tales
4. Charlie and the Chocolate Factory - Roald Dahl

Following websites can be referred to purchase or download the books given.

www.flipkart.com

www.amazon .com

You must try and visit the following places in Delhi.

1. Metro Museum (Chanakyapuri)
2. National Science Centre (Pragati Maidan)
3. Dilli Haat (opposite I.N.A market)
4. Crafts Museum (Pragati Maidan)

ENGLISH

1.Fun Word Game- Let us use technology to improve our English.Download the app '4 pic I word' on your parents' smart phone and play the game to improve your vocabulary.

2.Read any poem of your favourite poet. Note it down in the folder and do paraphrasing for the same.(use pictures to make it personified/ use project file)

3.Do book exercises of Parts of Speech in book.

4.Read newspaper everyday and find determiners to understand it in a better way.(For practice only)

5.Play scrabble with family and friends to improve vocabulary.

MATHS

Note: Do the following questions in the practice copy.

1. Find five rational numbers between $\frac{-5}{6}$ and $\frac{3}{8}$

2. The product of two numbers is $\frac{28}{121}$. If one of the numbers is $\frac{2}{3}$. Find the other numbers

3. Find the area of a rectangular field which is $21\frac{2}{3}$ m long and $9\frac{3}{5}$ m broad.

4. Verify : i) $\frac{2}{5}X\left(\frac{4}{9}X\frac{3}{1}\right)=\left(\frac{2}{5}X\frac{4}{9}\right)X\frac{3}{1}$

   ii) $\frac{-10}{9}X\left(\frac{3}{-5}X6\right)=\left(\frac{-10}{9}X\frac{3}{-5}\right)X6$

5. Represent rational numbers $\frac{-4}{5},\frac{-1}{8},\frac{3}{8}$ and $\frac{5}{6}$ on number line

6. A person earns Rs. 100 in a day. If he spends Rs. $14\frac{2}{7}$ on food and Rs. $30\frac{2}{3}$ on petrol how much did he save on that day.

7. One liter of kerosene cost Rs. $29\frac{2}{7}$. Find the cost of $2\frac{2}{4}$ liter of kerosene.

8. 9length $3\frac{1}{3}$ and $2\frac{2}{5}$ are cut off. Find the length of the remaining cord.

9. Find 5 rational numbers greater than -4

10.Find the multiplicative inverse of the following

   i) -17   ii) $\frac{-12}{17}$ iii) $\frac{-3}{8}X\frac{-5}{2}$

11.If $\frac{4}{9}/x=\frac{-10}{3}$, then find the value of x.

12.Simplify using suitable property

$$\frac{91}{41} \Big/ \frac{-2}{3} + \frac{4}{3}\left[\frac{91}{41}\right] = \left[\frac{-2}{3}\right]\frac{91}{41}$$

13. Solve and verify answer

   i) $1.6x + 2 = 5.2$

   ii) $2.5x - \frac{-3}{2} = 0.5x - \frac{-7}{4}$

   iii) $X\text{-}\frac{x-2}{7} + 36 = \frac{9x+7}{2}$

   iv) $\frac{x+2}{x-2} + \frac{x+3}{x-3} = 2$

   v) $\frac{17(2-x)}{1-7x} + \frac{5(x+12)}{7x-1} = 8$

14. Twice a number is 24 greater than its half. Find the number.

15. A number consist of two digits whose sum is 6. If 18 is added to the number, its digit are reversed. Find the number

16. The numerator of a fraction is 4 than its denominator. If 2 is added to the numerator, then the fraction becomes $\frac{5}{7}$. $find\ the\ fraction.$

17. Write the additive inc=verse of each of the following rational numbers.

  i) $\frac{4}{9}$ ii) $\frac{-13}{7}$ iii) $\frac{5}{-11}$ iv) $\frac{-11}{-14}$

16. Verify associativity of addition of rational numbers i. e (x=y)= z= x=(y=z) when

  x=$\frac{-7}{11}, y = \frac{2}{-5}, z = \frac{-3}{22}$

17. The numerator of a fraction is 4 less than the denominator. If 1 is added to both its numerator and denominator it become $\frac{1}{2}$. $find\ the\ fraction.$

18. The sum of two numbers is 45 and their ratio is 7:8. Find the numbers.

19. Find a numbers whose double is 45 greater than its half.

20. find the number which is to be added to $\frac{-7}{3}$ to get -2.

HOTS

1. Find the sum of additive inverse and multiplicative inverse of 5

2. Raja's piggy bank is full of one rupee and 50p coins. It contains three times as many 50 p coins as one rupee coins. The total amount of money in the bank is rs 35. How many coins of each kind are there in the piggy bank?

LAUGHTER TIME

Q. How many seconds are there in a year?

A twelve (January 2nd, February 2nd , march 2nd ....)

ACTIVITY :

NOTE: DO THE FOLLOWING PROJECT WORK IN THE PROJECT NOTEBOOK.

➢ Sheena has two circle of equal radii and one rectangle. what solid can be formed using these

➢ Draw a cuboids and find how many diagonal it has

➢ A sphere is cut into two equal halves. can you name the solid so formed write any three example of these solid form your surrounding

➢ Paste and trace a leaf and a petal in your notebook and draw the lines of symmetry.

MATHS LAB ACTIVITY

Complete the following equation using appropriate signs (+, −, ×, ÷) in the boxes given :
(Remember to use DMAS)

(a) $\frac{1}{2} \boxed{} \frac{1}{2} \boxed{} \frac{1}{2} = \frac{1}{2}$

(b) $\frac{1}{2} \boxed{} \frac{1}{3} \boxed{} \frac{1}{6} = \frac{1}{3}$

(c) $\frac{1}{2} \boxed{} \frac{1}{4} \boxed{} \frac{1}{8} = \frac{5}{8}$

(d) $\frac{3}{4} \boxed{} \frac{2}{3} \boxed{} \frac{6}{4} = \frac{-1}{4}$

(e) $\frac{18}{7} \boxed{} \frac{7}{3} \boxed{} 36 = \frac{1}{6}$

(f) $\frac{3}{7} \boxed{} \frac{5}{9} \boxed{} \frac{21}{5} = 1$

(g) $\frac{3}{7} \boxed{} \frac{1}{2} \boxed{} \frac{8}{7} = \frac{48}{49}$

(h) $\frac{7}{4} \boxed{} \frac{19}{7} \boxed{} \frac{17}{14} = \frac{1}{4}$

MATHS LAB ACTIVITY

Objective : *Forming linear equations.*

Step 1 : Select a month from the calendar, say January.

Step 2 : Think of a 3 × 3 square (shaded portion) and find the sum of all the 9 numbers.

Step 3 : Generalize and form an equation using the variable 'x' to get the sum of the numbers in the square, where 'x' is the smallest number of that square.

JANUARY

S	M	T	W	Th	F	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

e 3 : The table shows the portion of some common materials that are recycled.

Material	Recycled
Paper	$\frac{5}{11}$
Aluminium cans	$\frac{5}{8}$
Glass	$\frac{2}{5}$
Scrap	$\frac{3}{4}$

(a) Is the rational number expressing the amount of paper recycled more than $\frac{1}{2}$ or less than $\frac{1}{2}$?

(b) Which items have a recycled amount less than $\frac{1}{2}$?

(c) Is the quantity of aluminium cans recycled more (or less) than half of the quantity of aluminium cans?

(d) Arrange the rate of recycling the materials from the greatest to the smallest.

Do activities in Lab Manual

Topics:

1. To verify algebric identity $(a+b)^2 = a^2 + 2ab + b^2$
2. To verify the algebric identity $(a-b)^2 = a^2 - 2ab - b^2$
3. To verify the algebric identity $a^2 - b^2 = (a+b)(a-b)$
4. To divide a line segment of given length into any number of equal parts.

SCIENCE

1. Reading newspaper is an essential part of life as it gains knowledge and make us aware of our surrounding. Make a science newspaper which includes articles , amazing facts , riddles and recent discoveries in the field of science.
2. Draw figure of any 3 unicellular organisms and write their features in project file.
3. Bacteria can reproduce very quickly . If conditions are correct bacteria can divide every 20 min. This means a small no. of bacteria can multiply very quickly.
   If 100 bacteria get into your body and reproduce every 20 min how many will be there in 2 hours.

Time (min)	No. of bacteria

4. Find out the location of the deposits of iron , aluminium , zinc , copper and gold in India . In which form are the deposits found , write their name and uses.
5. Learn all the chapters done in class.
   NOTE: Watch daily science of stupid on national geographic channel.

SST

Note:POP

1) Prepare a separate note book for Holiday Homework. (History, Civics & Geography need to be done in one notebook each)
2) This is for internal assessment carrying 10 marks
3) Bring your Holiday homework on the first day of the opening of the school
1) Make a poster and write slogans on the topic 'conservation of resources', water conservation & wildlife conservation
2) Model: Make a model on the topic Resources' or 'Wheel Chair'.
3) Collect pictures of the members of the drafting committee and paste them in your scrapbook
4) Prepare a chart of 'fundamental rights'
5) Prepare a poster on the 'Preamble of the Indian Constitution'.

6) How have museums and archives helped in providing information about the history of India

7) Why are date important in history?

8) What does colonization mean?

9) What was the role of media during the British period?

10)   Project: collect information about Governor Generals
   a) Warren Hasting
   b) Dalhousie
   c) Canning
   d) Ripon
   e) Lawrence
   f) Iswin

ART & CRAFT

Make a WELCOME BOARD

- SIZE: 35 Inch (LENGTH)
-             23 Inch (BREATH)
- Using LEMON YELLOW PASTEL SHEET.
- Make border of any dark colour, using pastel sheet.
- Use Mirror for decoration of BORDER.
- Use sparkle sheet for WELCOME alphabets.
- Use INTERNET for idea.

NOTE: DO CUTTING AND PASTING…

GK

- **Read news paper daily and write 20 current affairs for the month of MAY & JUNE in GK NoteBook.**

GAMES

Note: Read following topics in your physical education file and write in with diagram in file.

Athletic

1. Track event/ field events
2. Explain all track and fields events with diagram

3. Standard athletic track (400 m)

HINDI

Note: Do the following questions in project file.

प्र०1 हरिशंकर परसाई का साहित्यिक परिचय सचित्र देते हुए उनकी प्रसिद्ध रचनाओं के नाम लिखिए।

प्र०2 सूर्यकांत त्रिपाठी निराला की प्रकृति पर आधारित पाठ्यपुस्तक के अतिरिक्त कविता पढ़िए।

प्र०3 पर्यावरण दिवस पर पर्यावरण संरक्षण की ओर एक कदम बढ़ाते हुए एक पौधा लगाएं। अपने आस-पास के लोगों को भी जागरूक करें।

प्र०4 बढ़ती हुई सड़क दुर्घटनाओं को रोकने के लिए क्या प्रयास किए जा सकते हैं। इस पर विचार करो।

प्र०5 पुनरावृत्ति करो तथा कठिन शब्दों का लिखकर अभ्यास करो।

SANSKRIT

नोट:- सभी प्रश्नों को संस्कृत की C.W copy में करना है।

1) पाठ-3, 4, 5 के शब्दार्थ लिखो।

2) नीचे लिखे गए धातुओं के धातु रूप लृट, लड़ तथा लोट् लकार में लिखो।

पृच्छ् , नम् , चल

3) 'कवि' 'शिव' तथा 'किम्' शब्द पुं० तथा स्त्रीलिंग के शब्द रूप लिखो।

4) विद्या की महिमा से संबंधित पाठ के अतिरिक्त दो श्लोक लिखो।

5) 'मित्रता' विषय पर कोई एक कहानी का चित्र द्वारा वर्णन करो।

PUNJABI

Punjabi Literature-

पाठ- 1) पंजाबी बोली
     2) ईमानदारी
     3) तिन धन्न जनेंदी मांझ

तीनों 3) पाठों का पूरा पूरा अभ्यास करो। (कक्षा परीक्षा)

Punjabi Grammer-

पाठ- 1) भाषा जां बोली
     1) व्याकरण
     2) अख्खर जां वर्ण बोध
     3) पूरा- पूरा अभ्यास करो।

- 25 मुहावरे, 10 अख्खर
- तीन लेख
- तीन पत्र
- दो कहानी → बुरी संगत, ऐके विच बरकत
        श्लोक → बाबा फरीद के 10 श्लोक
- Activity -① पर स, ह, की   पूरी करो।
         ② Pg → 13   Activity