



“Don't quit yet, the worst moments are usually followed by the most beautiful silver linings. You have to stay strong. Remember to keep your head up and remain hopeful.”

“हार मत मानो अक्सर सबसे बुरे क्षण ही सबसे सुंदर भविष्य लेकर आते हैं इसलिए हिम्मत बनाये रखो और अपने सर को हमेशा ऊँचा और आशाओं से भरा रखो।”

## Holiday Homework

### Class VIII

Session 2021-2022

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## विषय – हिन्दी

1. जीवन की कठिनाईयों से जूझते हुए जीवन में आगे बढ़ने वाले और समाज-सुधार के कार्यों को करने वाले किन्हीं 3 महिलाओं और तीन पुरुषों के चित्र चिपकाकर अथवा बनाकर उनकी संघर्षमय गाथा लिखिए। इनमें से किसके व्यक्तित्व ने आपको सर्वाधिक प्रभावित किया और क्यों, ये भी लिखिए।
2. वर्तमान महामारी कोरोना पर लोगों को बचाव हेतु उपाय बताते हुए विज्ञापन बनाईये।
3. मित्रता नामक विषय पर स्व-रचित कविता लिखिए।
4. भारत की खोज पुस्तक को पढ़कर जवाहर लाल नेहरू की दृष्टि से भारत पर 200-250 शब्दों का एक निबंध लिखिए और उसमें से 10-10 संज्ञा, सर्वनाम, क्रिया और क्रियाविशेषण छांट कर लिखिए।

निबंध (200-250 शब्दों का)	निबंध में से छांट कर लिखिए।
	संज्ञा -
	सर्वनाम -
	क्रिया -
	क्रियाविशेषण -

## विषय – वैदिक (संस्कृत, शास्त्र एवं वेद)

- १- स्व-पाकशालायाम् उपलब्ध-खाद्य-वस्तुनां नामानि चीटिकायां संस्कृते लिखित्वा पात्रेषु संश्लेश्य च छायाचित्राणि आनयन्तु।
- २- पारिवारिकं यज्ञं कृत्वा पारिवारिकं योगप्रशिक्षणं च दत्त्वा तस्य पारिवारिकछायाचित्रम् एकस्मिन् A4 sheet कर्गदे संश्लेश्य तस्य विवरणं संस्कृतेन लिखत।
- ३- अधोलिखित-शब्दानां रूपाणि स्मृत्वा लिखत।  
नर, हरि, पशु, भ्रातृ, नदी, मातृ, पत्रम्।
- ४- अधोलिखित-धातूनां रूपाणि स्मृत्वा पञ्च-लकारेषु लिखत।  
गम्, पा, कृ, अस्, दृश्, स्था।
- ५- प्रतिदिनं द्वयोः प्रमुखसमाचारयोः संस्कृतेन अनुवादं कृत्वा लिखत।
- ६- भगवद्गीतायाः अष्टादश-अध्यायस्य पारायणं स्मरणं च कुरुत। (केवल-पुरातन-छात्राणां कृते)  
(एतत् सर्वं कार्यं पृथक् टिप्पणी-पुस्तिकायां सम्यक् सुसज्य लिखित्वा आनयन्तु)

## SUBJECT - SCIENCE

**Activity 1.** What are Agricultural Implements? Collect **TEN** pictures of different agricultural implements (tools), paste them (or draw) and write their name and uses in a Project File or Scrap Book.

**ACTIVITY:** Collect some pictures of agricultural implements and write their uses.

**PHOTOGRAPHS OR DIGRAMS:**

**Agricultural Implement**  
**Photo or Diagram**

**Agricultural Implement**  
**Photo or Diagram**

**NAME:**

**NAME:**

**USES:**

**USES:**

**Activity 2.** Discover the details (Name, Place, Birth, Death, Achievements) about the scientists given in your book [NCERT Science Text Book Class VIII] in Chapters 1 and 2. Also write a Short Story about a memorable or an interesting incident related to each scientist.

Find **TWO** Indian Scientists who had worked in the same field and write the same things about them also. Use separate sheet for each Scientist.

**NAME OF THE SCIENTIST**

**PHOTO**

**BORN:**

**DIED:**

**SCHOOL/UNIVERSITY:**

**BIRTH PLACE:**

**KNOWN FOR:**

**VARIOUS ACHIEVEMENTS:**

**RELATED SHORT STORY:**

**NOTE:** Make one Project File or Scrap Book for both activities and prepare a beautiful cover page (Containing School Name, Summer Vacation Project, Subject, submitted by, Your Name, Class & Section, Submitted to, Teacher's Name).

## SUBJECT: ENGLISH

1. Prepare a PPT on William Wordsworth, the greatest romantic poet of English Literature. (10 minutes).
2. Draw a comparison with the help of pictures – privileged children and under privileged children. Express your views or emotions for these pictures with the help of emoji.
3. Read any book and fill in the columns of the book report given below-

### BOOK REPORT FORMAT

- (i) Title: - .....
- (ii) Author.....
- (iii) This story was ..... (easy, just right, hard)
- (iv) Number of Pages: .....
- (v) Describe what happened in the beginning of the story.

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- (vi) Describe what happened in the middle of the story.

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- (vii) Describe what happened in the end of the story.

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- (viii) Did you like the book? Tell why/why not?

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- (ix) What was the best part of the story?

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(x) Who were the main characters?

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(xi) Write a short review of the book.

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4. Create a dialogue among grandfather, grandmother and you. You can choose any topic for conversation.

**Note:**

- Do the assignment in plain/design two lines A4 sheets.
- Take the help of dictionary for word meaning.
- Do the questions in sequence.
- Take help of online library, written / video material.

**SOCIAL SCIENCE**

**PART- A**

**PROJECTS**

- 1) List of the Governor General and their achievements during reign in India.

**PART-B**

- 1) Write down the types of Resources.
- 2) Write down the Fundamental Rights and elaborates them with examples.
- 3) Draw the political map of India and marks the different states.

## **SUBJECT- MATHEMATICS**

1. Prepare a creative power point presentation on the following topics (Any two)
  - a. Maths and architecture
    - Maths in early architecture
    - Use of geometry in architecture
  - b. Maths in the kitchen
    - Use of measurement in kitchen
    - How to make budget?
  - c. Amazing Symmetry
    - Symmetry in Nature
    - Symmetry in historical places
  - d. Maths in Music
    - How are they related
    - How does Rhythm is related to counting.

## **ART INTRGRATED PROJECTS**

1. You have been provided with an amount of 1 lakh. Prepare a vacation plan for 4 days and 3 nights for 4 people. Keep in mind every single detail. Paste the photos of the popular places for which you have planned the trip.
2. Make a Formula Bank containing all the formulae of your Text Book.

**PRACTICE QUESTIONS**  
**CLASS VIII: CHAPTER - 1**  
**RATIONAL NUMBERS**

1. Find  $\frac{3}{7} + \left(\frac{-6}{11}\right) + \left(\frac{-8}{21}\right) + \frac{5}{22}$
  2. Find  $\frac{-4}{5} \times \frac{3}{7} \times \frac{15}{16} \times \left(\frac{-14}{9}\right)$
  3. Find using distributive property: (i)  $\left\{\frac{7}{5} \times \left(\frac{-3}{12}\right)\right\} + \left\{\frac{7}{5} \times \frac{5}{12}\right\}$  (ii)  $\left\{\frac{9}{16} \times \frac{4}{12}\right\} + \left\{\frac{9}{16} \times \frac{-3}{9}\right\}$
  4. Find  $\frac{2}{5} \times \frac{-3}{7} - \frac{1}{14} - \frac{3}{7} \times \frac{3}{5}$
  5. Simplify:  $\frac{-4}{5} \times \frac{3}{7} \times \frac{15}{16} \times \left(\frac{-14}{9}\right)$
  6. Multiply  $\frac{6}{13}$  by the reciprocal of  $\frac{-7}{16}$ .
  7. What number should be added to  $\frac{7}{12}$  to get  $\frac{4}{15}$  ?
  8. What number should be subtracted from  $-\frac{3}{5}$  to get  $-2$ ?
  9. Is  $\frac{8}{9}$  the multiplicative reciprocal of  $-1\frac{1}{8}$  ? Why or why not?
  10. Is 0.3 the multiplicative reciprocal of  $3\frac{1}{3}$  ? Why or why not?
  11. Write any 3 rational numbers between  $-2$  and  $0$ .
  12. Find any ten rational numbers between  $\frac{-5}{6}$  and  $\frac{5}{8}$
  13. Find three rational numbers between  $\frac{1}{4}$  and  $\frac{1}{2}$
  14. Find ten rational numbers between  $\frac{1}{4}$  and  $\frac{1}{2}$
  15. Represent these numbers on the number line. (i)  $\frac{7}{4}$  (ii)  $\frac{-5}{6}$  (iii)  $\frac{4}{7}$  (iv)  $\frac{9}{4}$
  16. Represent  $\frac{-2}{11}, \frac{-5}{11}, \frac{-9}{11}$  on the number line
  17. Find five rational numbers between. (i)  $\frac{2}{3}$  and  $\frac{4}{5}$  (ii)  $\frac{-3}{2}$  and  $\frac{5}{3}$  (iii)  $\frac{1}{4}$  and  $\frac{1}{2}$
  18. Write five rational numbers greater than  $-2$
  19. Find ten rational numbers between  $\frac{3}{5}$  and  $\frac{3}{4}$ .
  20. Write.
    - (i) The rational number that does not have a reciprocal.
    - (ii) The rational numbers that are equal to their reciprocals.
    - (iii) The rational number that is equal to its negative.
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**PRACTICE QUESTIONS**  
**CLASS VIII: CHAPTER - 2**  
**LINEAR EQUATION IN ONE VARIABLE**

1. Find the solution of  $\frac{3x+5}{2x+1} = \frac{1}{3}$
  2. Find the solution of  $\frac{x+6}{4} + \frac{x-3}{5} = \frac{5x-4}{8}$
  3. Solve:  $\frac{x}{4} + \frac{x}{6} = x - 7$
  4. Solve:  $\frac{2}{3}x + 1 = \frac{7}{3}$
  5. Solve:  $\frac{x}{3} + \frac{5}{2} = \frac{-3}{2}$
  6. Solve:  $\frac{15}{4} - 7x = 9$
  7. Solve:  $x = \frac{4}{5}(x+10)$
  8. Solve:  $\frac{2x}{3} + 1 = \frac{7x}{15} + 3$
  9. Solve:  $2y + \frac{5}{3} = \frac{26}{3} - y$
  10. Solve:  $3m - 5m - \frac{8}{5}$
  11. Solve:  $5x + \frac{7}{2} = \frac{3}{2}x - 14$
  12. The perimeter of a rectangular swimming pool is 154 m. Its length is 2 m more than twice its breadth. What are the length and the breadth of the pool?
  13. The base of an isosceles triangle is  $\frac{4}{3}$  cm. The perimeter of the triangle is  $4\frac{2}{15}$  cm.  
What is the length of either of the remaining equal sides?
  14. Sum of two numbers is 95. If one exceeds the other by 15, find the numbers.
  15. Two numbers are in the ratio 5:3. If they differ by 18, what are the numbers?
  16. Three consecutive integers add up to 51. What are these integers?
  17. The sum of three consecutive multiples of 8 is 888. Find the multiples.
  18. Three consecutive integers are such that when they are taken in increasing order and multiplied by 2, 3 and 4 respectively, they add up to 74. Find these numbers.
  19. The ages of Rahul and Haroon are in the ratio 5:7. Four years later the sum of their ages will be 56 years. What are their present ages?
  20. The number of boys and girls in a class are in the ratio 7:5. The number of boys is 8 more than the number of girls. What is the total class strength?
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21. Fifteen years from now Ravi's age will be four times his present age. What is Ravi's present age?
22. A rational number is such that when you multiply it by  $\frac{5}{2}$  and add  $\frac{2}{3}$  to the product, you get  $-\frac{7}{12}$ . What is the number?
23. Lakshmi is a cashier in a bank. She has currency notes of denominations Rs 100, Rs 50 and Rs 10, respectively. The ratio of the number of these notes is 2:3:5. The total cash with Lakshmi is Rs 4,00,000. How many notes of each denomination does she have?
24. I have a total of Rs 300 in coins of denomination Re 1, Rs 2 and Rs 5. The number of Rs 2 coins is 3 times the number of Rs 5 coins. The total number of coins is 160. How many coins of each denomination are with me?
25. The organisers of an essay competition decide that a winner in the competition gets a prize of Rs 100 and a participant who does not win gets a prize of Rs 25. The total prize money distributed is Rs 3,000. Find the number of winners, if the total number of participants is 63.
26. Deveshi has a total of Rs 590 as currency notes in the denominations of Rs 50, Rs 20 and Rs 10. The ratio of the number of Rs 50 notes and Rs 20 notes is 3:5. If she has a total of 25 notes, how many notes of each denomination she has?

27. Solve:  $\frac{6x+1}{3} + 1 = \frac{x-3}{6}$

28. Solve:  $5x - 2(2x - 7) = 2(3x - 1) + \frac{7}{2}$

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

30. Solve:  $\frac{3x+2}{7} + \frac{4(x+1)}{5} = \frac{2}{3}(2x+1)$

31. Solve:  $x - \frac{x-1}{2} = 1 - \frac{x-2}{3}$

32. Solve:  $\frac{x}{2} - \frac{3x}{4} + \frac{5x}{6} = 21$

33. Solve:  $x + 7 - \frac{8x}{3} = \frac{17}{6} - \frac{5x}{2}$

34. Solve:  $\frac{3x+4}{2-6x} = \frac{-2}{5}$

35. Solve:  $\frac{7x+4}{x+2} = \frac{-4}{3}$

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Assignment Questions  
CLASS VIII: CHAPTER - 2  
LINEAR EQUATION IN ONE VARIABLE

1. A train is moving at the speed of  $x$  km/hour. What distance will it cover in 15 hours if it stops for 1 hour at two stations.
  2. 48 sweets are to be distributed among three friends  $A$ ,  $B$  and  $C$  in such a way that  $B$  gets 5 sweets more than  $A$  and  $C$  gets 7 sweets more than  $A$ . Form an equation.
  3. I guessed a number ( $x$ ) then added 10 to it. Give the expression for double of it.
  4. Find  $x$  if  $2x + 5 = x + 25$ .
  5. Ratio of three angles of a triangle is  $1 : 2 : 3$ . Find the angles.
  6. Perimeter of the top of a table in the conference hall is 32cm. If the length of the table is 3 times its breadth, how long is the table?
  7. Preeti has three more dolls than Renu. If there are 11 dolls in all, how many dolls does each have.
  8. Ankit covered  $\frac{1}{2}$  of the distance by metro train,  $\frac{1}{3}$  of the distance by bus and rest of 6 km by car for moving from Dwarka to South Extension. Find the total distance covered?
  9. Sum of two numbers is 30. If one number is twice the other, form an equation for finding the numbers.
  10. If  $3(x + 4) = x + 38$  find  $x$ .
  11. Ratio of three sides of a triangle are  $1 : 3 : 5$  and perimeter of the triangle is 270m. Find the sides.
  12. Two numbers are in the ratio 4:7. If the sum of numbers is 143, find the numbers.
  13. Sides of a rectangle are in the ratio 14:3. If the perimeter of the rectangle is 170 cms, find the length and breadth.
  14. Find three consecutive odd numbers whose sum is 147.
  15. If father is twice as old as his son and also 29 years older than his son. What is the age of father?
  16. If you subtract  $\frac{1}{2}$  from a number and multiply the result by  $\frac{1}{2}$ , you get  $\frac{1}{8}$ . What is the number?
  17. The perimeter of a rectangular swimming pool is 154 metres. Its length is 2 m more than twice its breadth. What are the length and breadth of the pool
  18. The base of an isosceles triangle is  $\frac{4}{3}$  cms. The Perimeter of the triangle is  $4\frac{2}{15}$  cm. Find the length of other two sides of the triangle
  19. Sum of two numbers is 95. If one exceeds the other by 15 find the numbers
  20. Two numbers are in the ration 5:3. If they differ by 18, find these numbers
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