

**SAINIK SCHOOL BALACHADI**

**(2017-18)**

**SUMMER VACATION HOMEWORK**

**CLASS : VIII**

**ENGLISH**

- Q.1. Write down summaries of the chapters taught so far. (From both the books)
- Q.2. Write a letter to the Editor, The times of India, New Delhi requesting him to write something touching in his esteemed daily about increasing trend of terrorism followed by effective measures.
- Q.3. Write down short paragraphs on the following topics:-  
-Honesty is the best policy.  
-Discipline and its importance.  
-Value based education and its significance.
- Q.4. Parts of speech-  
Noun, pronoun, adjective, verb, adverb, preposition, conjunction, interjection.  
(with definitions and examples)
- Q.5. Write down essays on the following topics:-  
- Importance of Noble Aim In Life.  
- My favourite leader.
- Q.6. Write down a short speech on How you spent your summer vacation.

**HINDI**

- प्र.1. अपनी हिंदी की पाठ्यपुस्तक में से 'चिट्ठियों की अनूठी दुनिया' और 'दीवानों की हस्ती' पाठ अपनी कॉपी में लिखिए।
- प्र.2. निबंध लिखिए।(150 शब्दों में)  
(क) आतंकवाद  
(ख) कंप्यूटर : आज की आवश्यकता  
(ग) बेरोजगारी।
- प्र.3. अपने विद्यालय में खेल का सामान मँगवाने के लिए प्राचार्य को पत्र लिखिए।
- प्र.4. घनिष्ठ मित्र की विशेषताएँ बताते हुए अपने बड़े भाई को एक पत्र लिखिए।
- प्र.5. किसी पत्रिका में से कोई भी चित्र काटकर उसे अपनी कॉपी में चिपकाइए तथा उससे संबंधित कोई दस वाक्य लिखिए।
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## GUJARATI

### • ગુજરાતી સાહિત્યકાંઃ

કોઈપણ એક ગુજરાતી સાહિત્યકારના જીવન-કવન વિશે આશરે 100 શબ્દોમાં નોંધ લખો.

### • ગુજરાતી લેખન:-

તમે ધોરણ સાતમાં પરીક્ષાની તૈયારી કેવી રીતે કરી હતી તેના વિશે 200 શબ્દોમાં નોંધ લખો

### • વ્યાકરણ:-

પૂર્ણવિરામ(.), અલ્પવિરામ(.), ગુરૂવિરામ(:), પ્રશ્નાર્થચિહ્ન(?), ઉદગારચિહ્ન અને અવતરણચિહ્ન(') નો ઉપયોગ કરી દરેકના પાંચ-પાંચ વાક્ય લખો.

### • અહેવાલ લેખન:-

તમારી શાળામાં યોજાયેલા પશ્ચિમ ઝોન સૈનિક સ્કૂલ રમતોત્સવનો આશરે 100 શબ્દોમાં અહેવાલ લખો.

### • ચિત્રપાઠ:-

તમારી નોટબુકમાં કોઈપણ એક ચિત્ર ચોટાડી તે ચિત્રમાં જોવા મળતી બાબતોના આધારે આઠ(8) વાક્ય લખો.

## MATHEMATICS

1. Present ages of Rohit and Mohan are in the ratio 5 : 6. Ten years from now the ratio of their ages will be 6 : 7. Find their present ages.

2. The denominator of a rational number is greater than its numerator by 6. If the numerator is decreased by 1 and the denominator increased by 1, the number obtained is  $\frac{1}{3}$ . Find the rational number.

3. Solve the following equations :

(i)  $\frac{7x-4}{4x} = 3$       (ii)  $\frac{6x+5}{z+6} = \frac{-7}{8}$

(iii)  $\frac{15x}{5+x} = \frac{9}{4}$       (iv)  $\frac{7y+3}{2-3y} = \frac{6}{7}$

4. The numerator of a fraction is 7 less than the denominator. If the numerator is increased by 2 and the denominator by 9, we again get the same fraction. Find the fraction.

5. Two numbers are such that the ratio between them is 3 : 5. If each is increased by 10, the ratio between the new numbers so formed is 5 : 7. Find the original numbers.

6. The sum of two numbers is 60 and their ratio is 7 : 5. Find the numbers.

7. A and B start walking from the same place in the opposite directions. If A starts walking at a speed of 4 km/hr and B at a speed of 5 km/hr, in how much time will they be 27 km apart ?

8. Solve the following equation and check your answer by substituting the variable in the equation :

$$\frac{9}{4} \left( \frac{2-16x}{3} - \frac{8}{4-x} \right) = \frac{9}{4} - 2x - \left( \frac{3}{2} - 2x \right)$$

9. Solve the equation and check your answer by substituting the variable in the equation :

$$\frac{5}{7x} + \frac{3}{14} = \frac{7}{2x} + 3, x \neq 0 \quad \text{[Hint: Let } \frac{1}{x} = y \text{]}$$

10. How many litres of water must be added to 20 litres of 10% solution of salt and water to produce a 6% solution ?

11. If one of the two complementary angles is 20 larger than 4 times the other, find the angles.

12. In  $\Delta PQR$ , right angled at Q and P is four times as large as angle R. Find  $\angle P$  and  $\angle R$ .

13. Ramu has 28 oranges more than Gholu who says : "Ramu, give me 30 of your oranges and I will have twice as many as will be left with you." How many oranges does each has ?

14. The average of three numbers is 39. If the first number is twice the second and the second is four times the third, find the numbers.

15. A mother's age equals the sum of the ages of her five children. If after 12 years, the sum of the ages of the children will be twice the age of their mother, how old is the mother now ?

16. Solve the following equation :

$$\frac{1}{1 - \frac{1-x}{3}} = 1$$

17. Five years hence, a mother's age will be three times that of her daughter's and five years ago, the mother was 7 times as old as the daughter was. Find their present ages.
18. Shreyansh thinks of a number and adds  $\frac{7}{2}$  to it. He multiplies the result by 5. The result now obtained is 4 times the same number he thought of. What is the number?
19. Sargam is thrice as old as Shrishti. Six years ago her age was four times Shrishti's age. Find their present ages.
20. In a two-digit number, the unit's digit is 1 more than twice the ten's digit. If the order of the digit is reversed, the new number is 36 more than the given number. Find the number.
21. Seven times a two-digit number equals four times the number with digits reversed. Find the number, if the sum of its digits is 3.
22. The sum of three consecutive multiples of 7 is 777. Find the multiples.
23. The number of boys and girls in a class are in the ratio 9 : 5. The number of girls is 12 less than the number of boys. What is the total strength of the class?
24. A rational number is such that when you multiply it by  $\frac{3}{7}$  and subtract  $\frac{4}{7}$  from the product, you get  $\frac{-4}{11}$ . What is the number?
25. The width of a rectangle is three-fourths its length. If the perimeter is 210 m, find the dimensions of the rectangle.
26. When the digits of a two-digit number are reversed, it becomes  $\frac{5}{6}$  of itself. Find the number, if its ten's digit is one more than the unit's digit.
27. I am three times as old as my son. Five years later, I will be only  $2\frac{1}{2}$  times older than him. How old are we now?
28. A father is six times as old as his son. After four years, he will be only four times as old as his son will be. What are their present ages?
29. One-third of a herd of sheep are grazing in the field and five-eighths of the remaining are playing nearby. The rest 24 are drinking water from the pond. Find the number of sheep in the herd.
30. There is a narrow rectangular plot, reserved for a school, in a city. The length and breadth of the plot are in the ratio 15 : 7. At the rate of Rs. 100 per metre it will cost Rs. 44000 to fence the plot. What are the dimensions of the plot?
31. A piggy-bank has only one-rupee and fifty-paise coins. If there are three times as many 50 p coins as one-rupee coins and the total money in this bank is Rs. 35, how many coins of each kind are there?
32. Ten years from now Honey's age will be six times his present age. What is Honey's present age?
33. Three consecutive natural numbers are such that when they are taken in decreasing order and multiplied by 3, 4 and 5 respectively, they add up to 226. Find these numbers.

## SCIENCE

1. What is the difference between sprinkler and drip system of irrigation?
2. Collect any three samples of Kharif crops and write notes on the same.
3. Draw and explain the use of plough in agriculture.
4. What is the difference between threshing and winnowing?
5. State the advantages of manures.

## SOCIAL SCIENCE

1. Explain the types of Resources?
2. Mention the principles of Sustainable development?
3. Write the key features of Indian Constitution?
4. Why did the British preserve official documents?
5. Why the Survey did become important during Colonial administration?