

BHATNAGAR INTERNATIONAL SCHOOL

HOLIDAYS HOMEWORK

VII FORM

Glorious Delhi

1. **A tour of Delhi** –Go for Delhi Darshan.
2. Click pictures of monuments you have visited.
3. On the map of Delhi, mark the location of the monuments.
4. Sketch any two monuments you visited and write one page on each.
5. Make a collage on cuisines of Delhi. Highlight your favourite cuisines and write the recipe of your favourite dish.
6. Paste pictures of some legends of Delhi. Write down their field of excellence.

Science and technology

1. Collect information about different types of fuses, semi-conductors, conductors and insulators.
2. Find out the different types of electrical appliances you use and also about average power consumption of your house.
3. Watch ‘Discovery Turbo’ and write about latest car launched with its features.

German

1. Design a New Year greeting card in German.
2. Paste pictures of 5 famous personalities of Germany and write (3-4 lines) about them in German.

English

1. Make a collage of rare picture of historic Delhi. Write few lines or compose a poem for centenary celebrations of our city Delhi
2. Write a Diary entry about your visit to some place along with some pictures and memoirs.
3. Read a mystery or a humorous book and write your review about it.

Mathematics

Q1. A, B and C each drew two of these cards.

- a. B said, “The sum of my numbers is $1\frac{1}{2}$ ”
- b. A said, “The sum of my numbers is 1.
- c. C said, “The difference of my numbers is just less than 1.”

Which card did each one have?

$\frac{3}{8}$, $\frac{1}{4}$, $\frac{5}{8}$, $1\frac{1}{4}$, $\frac{11}{16}$, $1\frac{5}{8}$

Q2. Divide $\frac{17}{21}$ by the difference ($\frac{1}{2} - \frac{1}{3}$)

Q3. Represent $\frac{12}{7}$ & $-\frac{12}{7}$ on the number line

Q4. How many times a day, the hands of the clock are straight?

Q5. Draw a quadrilateral with one of its angles as reflex angle.

Q6. Meera has a collection of 400 greeting cards. $\frac{1}{10}$ of them are courtesy greetings. 100 of the remaining are bought from different countries. The rest are festival greetings. How many are festival greetings?

Q7. At what rate of S.I Rs 4500 will become RS. 5040 after 2 years?

Q8. A person bought an old typewriter. He sold it for RS 760. At loss of 5% find his C.P

Q9. An alloy contains 36% zinc. 40% copper and the rest is nickel. Find in grams that quantity of each content in a sample of 1kg alloy.

Q10. The length of two rods is in the same ratio 4:9. The longest rod is 72cm. what is the length of the shorter rod?

Q11. If your allowance was Re. 1 and it is doubled everyday, how many days it would take for you to have over Rs. 35?

Q12. If there are 150 people born in the world every minute, how many are born every hour?

Q13. Look at these number sentences:

$$\begin{array}{r} \square + \triangle + \triangle = 11 \\ \square + \square + \square = 9 \end{array}$$

Each \square And \triangle represents the same number. What is the value of $\square + \square + \triangle$

Q14. X is the mother of Y but Y is not the daughter of X, then what is relation of Y with X?

Q15. If e means *, z means -, q means +, y means / then

$$24 y 6 z q 5 e 2 = ?$$

Q16. If you begin with one digit integer, multiply by 3, add 8, divide by 2 and subtract 6, you will get the integer back. Find the number.

Q17. Three ducks and two ducklings weigh 32kg. Four ducks & three ducklings weigh 44kg. All ducks weigh the same and all ducklings weigh the same. What is the weight of two ducks and one duckling?

Q18. Introducing a man; a woman said, "His wife is the only daughter of my mother". How is the woman related to that man?

Q19. How many 3's are there in the following sequence which are neither preceded by 6 nor immediately followed by 9

9366395937891639639

Q 20. If 75% of a number is added to 75, the result is the number itself, then the number is?

Q 21. If Rs.5000 is to be distributed to A, B and C in the ratio 5:3:2. Find their share?

Q22. Product of two numbers is $-\frac{28}{27}$, if one number is $-\frac{5}{9}$. What is the other?

Q23. Seen through a mirror, the arms of a clock shows 8:50. What is the actual time?

Q24. LIVE is to EVIL as 5232 is to?

Q25. If 10th day after 15th of the month be Thursday, what day was 1st of the same month?

Q26. **Fill ups-**

1: Express $-\frac{84}{147}$ as a rational number with denominator 7

2: Reciprocal of $(-\frac{3}{5}) * (-\frac{17}{7})$ _____

3: The degree of a constant term is _____

4: 40% of $x + 180 = 564$. Then $x =$ _____

5: $\frac{7}{49}$ in standard form is _____

6: the coefficient of X^2 in $-\frac{3}{2}ax^{2+}yz$ is _____

7: Calculate the sum:

$5 + (-5) + 5 + (-5) +$ _____

If the number of term is 10_____

8: The additive inverse of $-11/-25$ is_____

Q27. A mobile set was sold at a profit of 7%. If it had been sold at a profit of 10%, the profit would have been Rs.780. what is its cost price?

Q28. Mr. Arora's farm house has a driveway of 88.5m. It measures in the map 1.5cm. Find the scale of the map.

Q29. Rahul Simplifies $5 + 5 + 5 \times 2$ and his answer was 30. What percent of error is committed by him?

Q30. How many digits are there from 10 to 99?