

## Sainik School Chandrapur

Session 2023-24

Subject-Mathematics

Holiday Homework (Winter vacation) Class-VI

General Instructions:

- Read the questions carefully.
- Solve all the questions neatly in step-by-step manner in Homework Notebook.

### QUESTIONS

1. Write the greatest and the smallest of the following numbers  
29706, 28706, 39406, 87604
2. Make the greatest five-digit number by using the digits 1,2,7,9,4 without repetition.
3. Write the numeral for the following  
“Twenty million five hundreds two thousand and six hundred thirty-two”
4. Find the difference between the place value of two 6's in 6523689.
5. A man saves Rs 250 per month. How much money will he save in 2 years?
6. A box contains 50 packets of biscuits, each weighing 120g. How many such boxes can be loaded in a van, which cannot carry beyond 900 kg?
7. Dixita's school is  $\frac{8}{10}$  km away from her house. Daily she walks a distance and then takes a bus to travel  $\frac{1}{2}$  km to reach the school.
  - (i) How far does she walk?
  - (ii) What are some benefits of walking daily?
8. In a five-digit number, digit at ten's place is 4, digit at unit's place is one fourth of ten's place digit, digit at hundred's place is 0, digit at thousand's place is 5 times of the digit at unit's place and ten thousand's place digit is double the digit at ten's place. Find the number.
9. A chocolate factory produced 216315 white chocolates, 182736 dark chocolates and 58704 candies in a month. What is the total production of all the three items in that month?
10. Determine the sum of the four numbers as given below:
  - (a) Successor of 32
  - (b) Predecessor of 49
  - (c) Predecessor of the predecessor of 56
  - (d) Successor of the successor of 67
11. Ms. Shrestha withdraws Rs 1,00,000 from her bank account. She purchased a washing machine set for Rs 38650, a refrigerator for Rs 23880 and gold ornaments worth Rs 35560. How much money was left with her?
12. Find the difference between the smallest number of 7 digits and the largest number of 4 digits.
13. There are two ice-cream factories located at place P and the other at place Q. From these factories, ice-cream is delivered to each of the depots situated at A, B and C.  
Weekly production of ice-cream by P and Q are 120 kg and 150 kg respectively.  
Weekly requirement of ice-cream by A, B and C are 80 kg, 90 kg and 100 kg respectively.

P delivers 60 kg to A, 40 kg to B and 20 kg to C.

(i) What amount of the ice-cream should Q deliver to A, B and C to meet their requirement?

(ii) If the rate of ice- cream is Rs 20 per kg, find the total amount to be paid to P and Q.

14. Four cities A, B, C and D lie in a straight line on NH 16. Discover the positions of these cities on the highway and answer the questions.

City A is 20 km to the west of City D.

City D is 50 km to the east of City C.

City A is 70 km to the west of City B.

(a) What is the distance between City A and City C?

(b) Which City is at the eastern-most point?

(c) Which City is at the western-most point?

(d) What is the distance you would need to travel to go from the western most point to the eastern most point?

15. A, B, C, D and E are letters that stand for the digits 0 to 4 but not in that order.

The table given below shows the result of adding A, B and C with each other. What are the values of A, B, C, D and E.

+	A	B	C
A	C	A	D
B	A	B	C
C	D	C	E