

Chapter- 1

Number System

WORKSHEET

1. The difference between the largest 5-digit number and the largest 5-digit number with three distinct digits is

- (a) 10 (b) 10012 (c) 12 (d) 123

2. The largest 4-digit number, using any one digit twice, from digits 5, 9, 2 and 6 is

- (a) 9652 (b) 9562 (c) 9659 (d) 9965

3. The largest 5-digit number having three different digits is

- (a) 98978 (b) 99897 (c) 99987 (d) 98799

4. Compare the numbers 9524420 and 9528420. $9524420 > 9528420$

5. What is the smallest 3-digit number with unique digits? 123

6. What is the smallest 3-digit number which does not change if digits are written in reverse? 111

7. Arrange the numbers 5949107, 3578160, 3808761, 1596496, 9524420, 5446837, 6174985 in ascending order.

$1596496, 6174985, 5949107, 5446837, 3808761, 3578160, 9524420$

8. Arrange the numbers 5977333, 2049014, 9798934, 3440557, 544696, 5655237, 3446116 in descending order.

$5977333, 9798934, 5655237, 3446116, 3440557, 2049014, 544696, 6174985, 5446837, 1596496, 9524420$

9. Answer the following:

i) Write the smallest 5 digits number having two different digits. 10,012

ii) Write the smallest 6 digit number having three different digits. 1,00,123

iii) Write the largest 7 digits number having three different digits. 99,99,987

10. State true or false

i) The largest six digit telephone number that can be formed by using digits 5, 3, 4, 7, 0, 8 only once is 875403. F

ii) The largest 4-digit number formed by the digits 6, 7, 0, 9 using each digit only once is 9760. T

iii) The smallest 4-digit number is the successor of the largest 3-digit number. T

11. Find the smallest and largest no

i) 382, 4972, 18, 59785, 750.. Smallest - 18 Largest - 59785

ii) 1473, 89423, 100, 5000, 310. Smallest - 100 Largest - 89423

iii). 1834, 75284, 111, 2333, 450 Smallest - 111 Largest - 75284

iv). 2853, 7691, 9999, 12002, 124. Smallest - 124 Largest - 12002

12. Arrange the following numbers in ascending order:

i) 4017, 25134, 6732, 19547, 15012 - 25134, 19547, 15012, 6732, 4017

ii) 5674, 2019, 56107, 76906, 2199 - 2199, 5674, 2019, 76906, 56107

13. Arrange the following numbers in descending order

i) 65137, 3019, 43850, 26197, 25091 - 65137, 43850, 26197, 25091, 3019

ii) 7326, 2417, 4972, 62253, 73317 - 73317, 62253, 7326, 4972, 2417

14. A machine on an average manufactures 2825 screws a day. How many screws did it produce in the month of January 2006? 87575

15. The difference between two numbers is 983563. If the greater number is 1398357, find the smaller number. 414794

16. The total mass of 8 packets each of same size is 42 kg 400 gm. What is the mass of each such packet? 53 gram

17. Mr. Singh saves Rs 250 per month. How much money will he save in 3 years? 7500

18. A merchant had Rs 78592 with her. She placed an order for purchasing 40 radio sets at Rs 1200 each. How much money will remain with her after purchase? 77392

19. Medicine is packed in boxes each weighing 4 kg 500 gm. How many such boxes can be loaded in a van which cannot carry beyond 800 kg? 177 kg

20. Shankar is a famous cricket player. He has so far scored 6980, runs in test matches. He wishes to complete 10000 runs. How many more runs does he need? 3020

21. A vessel has 4 litres and 500 ml of curd. In how many glasses, each of 25 ml capacity can it be filled? Also find in how many glasses, each of 50 ml capacity can it be filled? 25-180 50-90

22. A mobile number consists of ten digits. The first four digits of the number are 9, 9, 8 and 7. The last three digits are 3, 5 and 5. The remaining digits are distinct and make the mobile number, the greatest possible number. What are these digits? 1987

23. A book exhibition was held for four days in a school. The number of tickets sold at the counter on the first, second, third and final day was respectively 1094, 1812, 2050 and 2751. Find the total number of tickets sold on all the four days. 7707

24. A merchant had Rs 78,592 with her. She placed an order for purchasing 40 radio sets at Rs 1200 each. How much money will remain with her after the purchase? 30592

25. A student multiplied 7236 by 65 instead of multiplying by 56. By how much was his answer greater than the correct answer? 65124

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