## Operations involving Large Numbers

### **Exercise**

**1. Multiple Choice Questions (MCQ) Choose the correct option.** (i) The numerals, which are to be added, are called (a) addends (b) sum (c) carry (ii) The number to be subtracted from another number is called (b) subtrahend (c) difference (a) minuend (iii) The result we get after subtraction is called the (a) sum (b) difference (c) minuend

2. Add the following :

(1)	2	2	3	4	5	3	(2) <sub>2</sub>	0	1	0	1	0	4	
+	3	3	4	5	6	2	+ 3	3	4	5	6	7	8	
+	8	4	5	6	7	0	+ 8	4	5	6	7	8	9	
+	2	8	5	1	8	9	+ 2	1	8	7	4	3	4	

(4) 8 2 3 (3) 4 2 3 4 5 6 4 4 5 + 2 0 7 0 7 0 0 + 6 3 4 5 6 2 7 9 3 4 0 0 99 4 5 6 0 2 3 9 9 2

3. Find the sum of :

(i) 8795972, 2539208 and 3986534
(ii) 29945, 25928 and 427546
(iii) 2345676, 97842 and 7257281
(iv) 72578, 782953, 7125440 and 123543
(v) 25468, 30074, 5789 and 65371
(vi) 4207568, 273451 and 756783

4. A factory manufactures bulbs. Its year-wise production is given below :
In 2003-04 : 246678 bulbs
In 2004-05 : 228456 bulbs
In 2005-06 : 202234 bulbs
In 2006-07 : 298123 bulbs
Find the total number of bulbs manufactured by the factory during the period 2003-07.

5. In a town there are 250754 men, 223506 women and 360576 children. Find the population of that town

6. A cloth-mill made 2540568 m cloth in 2006, 2748667 m in 2007 and 3134547 m in 2008. How many metres of cloth did the mill make in three years ?

7. Rakesh travelled a distance of 88786 km by car, 38459 km by train and 125983 km by bus. Find the total distance travelled by Rakesh.

#### **8.Find the difference :**

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(i) 8222224 - 6333338
(ii) 7888882 - 4999993
(iii) 6900002 - 5770013
(iv) 3429989 - 1999999
(v) 8654321 - 6123456
(vi) 3976432 - 2354257

10. Find the difference between the greatest and the smallest numbers that can be formed using the digits 4, 2, 5, 7, 9, 0 only once.

11. What is the difference between the greatest and the smallest numbers that can be formed using the digits 0, 7, 2, 3, 4, 6 only once ?

12. What must be added to the smallest 8-digit number to get the greatest 8-digit number ?

13. The population of a city is 78932541. Before ten years, it was 65364541.
Find the increase in the population of the city during the ten years.

14. What must be added to 43325728 to get the sum as 99999999 ?

**15. Multiple Choice Questions (MCQ) Choose the correct** option. (i) When we multiply 103 by 7000, we get (a) 710200 (b) 712000 (c) 721000 (ii) The product of 55555 and 22 is (c) 1222120 (a) 1222210 (b) 2222110

16. Multiply : (i) 24 by 10 (ii) 236 by 100 (iii) 43 by 1000 (iv) 85 by 200 (v) 186 by 300 (vi) 142 by 4000 **17. Find the product :** (i) 42943 × 244 (ii) 81908 × 226 (iii) 9999 × 208 (iv) 4234 × 561 (v) 18357 × 369 (vi) 4708 × 814 (vii) 7648 × 223 (viii) 60121 × 58 (ix) 55555 × 22

18. In a factory, 23250 pens are made daily. How many pens will be made in 21 working days ?

19. The cost of a computer is ₹ 75750. Find the cost of 110 such computers.

20. There are 240 pages in a book. Find the total number of pages in such 3268 books.

21. Find the product of the smallest number formed by using

the digits 6, 7, 0 and the greatest 3-digit number. (each digit to be used once only) 22. The cost of a chair is ₹ 1475. Find the cost of 675 such chairs.

23. Subtract the greatest number formed by using the digits 2, 3, 4, 5, 6, 8 (each digit to be used once only) from the product of 23357 and 84.

24.Multiple Choice Questions (MCQ) Choose the correct option. (i) The number to be divided is called (a) divisor (b) dividend (c) quotient (ii) What will be the quotient when we divide 384696 by 124 ? (a) 3110 (b) 3011 (c) 3102 25. Find the quotient and remainder : (i) 205680 ÷ 235 (ii) 2578908 ÷ 257 (iii) 472356 ÷ 198 (iv) 82756 ÷ 421 (v) 7766503 ÷ 423 (vi) 347364 ÷ 283

26. 216 apples can be packed in a carton. How many cartons are required to pack 3699216 apples ?

27. Find the lowest number that must be subtracted from
637054 so that the difference is exactly divisible by 326 ?
[Hint : Find the remainder on dividing 637054 by 326 ]

28. A car covers a distance of 175 km in one hour. How many hours will it take to cover a distance of 56875 km at the same speed ?

29. A customer paid ₹ 31000 for 248 copies. Find the cost of one copy.

30. Find Sidhu's average score per inning if he scored 9750 runs in 78 innings.

31. Find the greatest 7-digit number which is exactly divisible by the greatest 2-digit number.

#### **Miscellaneous**

32. Choose the correct option. (MCQs)
(i) The sum of 268753, 257492 and 74736 is

(a) 710981
(b) 610981
(c) 600981

(ii) The cost of a book is `285. What will be the cost of 5424 such books ?

(a) ₹ 1545840
(b) ₹ 1455840
(c) ₹ 1554840



**33. Fill in the blanks :** 

(i) \_\_\_\_\_ is the short way to do repeated addition of the same number.

(ii) The number which is to be multiplied is known as

the \_\_\_\_\_.

(iii) 51 × 8000 = \_\_\_\_\_.

(iv) 7648 × 223 = \_\_\_\_\_.

34. Write 'T' for true and 'F' for false statement :

(i) The number to be divided is called dividend.
(ii) The number by which we divide is called dividend.
(iii) The number obtained after division is called quotient.
(iv) The number left over after division is known as the remainder.

Т

(v) Divisor = Quotient × Dividend + Remainder

#### **35. Find the difference :**



37. A company purchased a bus for ₹ 2867896, a car for
 ₹ 334564 and a van for ₹ 205870. How much money
 did the company spend in all ?

# 38. What must be added to the smallest number formed by

using the digits 1, 3, 5, 4, 2, 7 to get the sum as the greatest

number formed by using the digits 2, 5, 7, 8, 9, 0 ? Each digit is to be used once only while forming the numbers. 39. Subtract the sum of 2234566 and 2456789 from the sum of 3567896 and 3345676.

40. The cost of a car is ₹ 250258. What will be the cost of 28 such cars ?

41. Find the product of 999 and the sum of 2578 and 2003.

- 42. A tour was organised for 2278 students of a Public School during their summer holidays. Every student paid ₹ 375 for it. How much money was collected ?
- 43. Find the greatest 6-digit number which is exactly divisible by 281.
- 44. A scooterist travelled a total distance of 78200 m in going round a track 136 times. What was the distance of the track ?