Sheet-1
Problem Based on Numbers

1. Find the number, when 15 is subtracted from 7 times the number, the result is 10 more than twice of the number

5 15 7.5 4

2. Sum of a rational number and its reciprocal is 13/6. Find the number

2 3/2 4/2 5/2

3. find the number, difference between number and its 3/5 is 50.

120 123 124 125

4. The sum of the squares of three numbers is 138, while the sum of their products taken two at a time is 131. Their sum is

15 20 25 35

5. If one third of one fourth of number is 15, then three tenth of number is

34 44 54 64

6. A number is doubled and 9 is added. If resultant is trebled, it becomes 75. What is that number

8 10 12 14

7. Find a positive number which when increased by 17 is equal to 60 times the reciprocal of the number

17 15 8 3

8. The product of two numbers is 120 and the sum of their squares is 289. The sum of the number is

20 23 27 150

9. Three times the first of three consecutive odd integers is 3 more than twice the third. The third integer is

12 13 15 17

10. Find the number which when multiplied by 15 is increased by 196

10 12 14 16

11. find the number, If 50 is subtracted from two-third of number, the result is equal to sum of 40 and one-fourth of that number.

214 216 114 116

12. Sum of three numbers 264, If the first number be twice then second and third number be one third of the first, then the second number is

70 71 72 73

13. Sum of two numbers is 25 and their difference is 13. Find their product.

104 108 114 124

14. Sum of two numbers is 40 and their difference is 4. The ratio of the numbers is

10:3 5:9 11:9 13:9

15. Two numbers differ by 5. If their product is 336, then sum of two number is

33 34 36 37

16. Difference between a two-digit number and the number obtained by interchanging the two digits is 36, what is the difference between two numbers

2 4 8 12

17. A father is twice as old as his son. 20 years ago, the age of the father was 12 times the age of the son. The present age of the father (in years) is

11 22 44 33

SHEET - 2

1. Which one of the following is not a prime number?

A. 31 B. 61 C. 71 D. 91

2. (112 x 54) = ?

A. 67000 B. 70000 C. 76500 D. 77200

3. It is being given that (232 + 1) is completely divisible by a whole number. Which of the following numbers is completely divisible by this number?

A. (2^16 + 1) B. (2^16 – 1) C. (7x2^23) D. (2^96+1)

4. What least number must be added to 1056, so that the sum is completely divisible by 23 ?

A.2 B. 3 C. 18 D. 21 E. None of these

5. 1397 x 1397 = ?

A. 1951609 B. 1981709 C. 18362619 D. 2031719 E. None of these

6. How many of the following numbers are divisible by 132 ?

264, 396, 462, 792, 968, 2178, 5184, 6336

A.4 B. 5 C. 6 D. 7

7. (935421 x 625) = ?

A. 575648125 B. 584638125 C. 584649125 D.585628125

8. The largest 4 digit number exactly divisible by 88 is:

A. 9944 B. 9768 C. 9988 D. 8888 E. None of these

9. Which of the following is a prime number ?

A. 33 B. 81 C. 93 D. 97

10. What is the unit digit in {(6374)1793 x (625)317 x (341491)}?

A. 0 B. 2 C. 3 D. 5

11. The sum of first five prime numbers is:

A. 11 B. 18 C. 26 D.28

12. The difference of two numbers is 1365. On dividing the larger number by the smaller, we get 6 as quotient and the 15 as remainder. What is the smaller number ?

A. 240 B. 270 C. 295 D. 360

13. If the number 517*324 is completely divisible by 3, then the smallest whole number in the place of * will be:

A. 0 B. 1 C. 2 D. None of these

14. Which one of the following numbers is exactly divisible by 11?

A. 235641 B. 245642 C. 315624 D. 415624

ANSWERS KEY

1. D 2. B 3. D 4. A 5. A 6. A 7. B 8. A 9. D 10. A

11. D 12. B 13. C 14. D