**WORKSHEET 3**

1. A wants to type first 1000 natural numbers. How many times he has to press the buttons of a computer key board?

a) 2893 b) 2987 c) 3000 d) 2500

2. An 8 digit number 4252746B leaves a remainder 0 when divided by 3. How many values are possible for B?

a) 2 b) 3 c) 4 d) 6

3. In how many ways can 3420 be written as product of 2 factors?

a) 12 b) 14 c) 18 d) 36

4. Find the sum of all the factors of 120?

a) 240 b) 280 c) 360 d) 400

5. Find the respective LCM and HCF of the following

42, 72, 90

a) 1200, 4 b) 7200, 16 c) 2520, 6 d) 1000, 35

6. Find the least number which when divided by 48 and 72 leaves a remainder of 9 in each case and is greater than 9?

a) 144 b) 152 c) 151 d) 153

7. What is the greatest length x such that 3½ m and 8¾ m are integral multiples of x?

a)1 ½ m b) 1 1/3 m c) 1 ¼ m d) 1 ¾ m

8. Find the highest power of 24 in 500!

a) 166 b) 165 c) 164 d) 163

9. Find the units digit of (518)163 + (142)157

a) 2 b) 3 c) 4 d) 6

10. Find the remainder when 255 is divided by 9?

a) 1 b) 2 c) 3 d) 4

11. Given ratio are-

a:b = 2:3,b:c = 5:2,c:d = 1:4. Find a: b: c.

12. Ratio of 2 numbers is 11: 5 and their sum is 80. Find the product of the numbers   
 a) 1375 b) 1575 c) 1675 d) 550

13. Ratio of 2 numbers is 5:2 and their difference is 15. Find the difference of the squares Of the numbers

a) 625 b) 525 c) 725 d) 750

14. If 3A = 4B and 5B = 3C then A: B: C is –

a) 3:5:4 b) 5:3:4 c) 4:3:5 d) 12:9:15

15. Find the third proportion of 6 and 24

a) 72 b) 96 c) 160 d) 200