Deepika Tunga, IV(A)

Chapter- 9

Tests of divisibility

1. A number is divisible by 10, if its last digit is ___Zero___

2. A number is divisible by 9, if the sum of its digit is divisible by ___9___

3. A number is divisible by 6, if it is divisible by ___3___ and ___2___

4. A number is divisible by 5, if its last digit is either ___5___ or ___0___

5. A number is divisible by 3, if the sum of its digits is divisible by ___3___

6. What do you mean by even numbers?

   Numbers having 2, 4, 6, 8 and 0 as their one's place are known as even numbers.
   ex- 22, 56, 78, 64 etc.

7. What do you mean by odd numbers?

   Numbers having 1, 3, 5, 7 and 9 as their one's digit are known as odd numbers. ex- 23, 45, 79, 37 etc.

8. Write down all the even numbers in between 50 to 70.

   The even numbers between 50 to 70 are 52, 54, 56, 58, 60, 62, 64, 66, 68.

9. Write down all the odd numbers in between 80 to 100.

The odd numbers in between 80 to 100 are :
81, 83, 85, 87, 89, 91, 93, 95, 97, 99

10. What is the divisibility rule of 4?

If the last 2 digits of a number is both zero or divisible by 4 then it is ~~divies~~ divisible by 4.

ex~ 116, 300, 2148, 6100 etc.

11. Check the divisibility of 7,230 by 3.

7,230 : To check its divisibility, we will add all the digits together. 7 + 2 + 3 + 0 = 12

12 is divisible by 3. So, 7,230 is divisible by 3.

12. Check the divisibility of 52,361 by 9.

52,361 : To check its divisibility, we will add altthe digits together. 5 + 2 + 3 + 6 + 1 = 17

17 is not divisible by 9. So, 52, 361 is not divisible by 9.

13. Check the divisibility of 78,684 by 4.

78,684 : To check ~~the~~ its divisibility, we will check the last 2 digits of the number are both 0 or divisible by 4. Here last 2 digits is 84 84 is divisible by 4. So, 78,684 is divisible by 4

14. Check the divisibility of 2812 by 6.

2,812 : To check its divisibility, we will check the last digit and then add all the digits together. Since the last ~~two~~ digit is even, it is divisible by 2. ~~2+8+1~~ 2+8+1+2 = 13. 13 is not divisible by 3. So, 2,812 is not divisible by 6.

15. Check the divisibility of 39,655 by 5.

39,655 : To ~~add~~ check its divisibility, we will check its one's place is either 0 or 5. Here the last digit is 5. So, it is divisible by 5.