Chapter- 9

Tests of divisibility

WORKSHEET

A. FILL IN THE BLANKS.

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 2 and 3.
4. A number is divisible by 5, if its last digit is either zero or 5.
5. A number is divisible by 3, if the sum of its digits is divisible by 3.

B. ANSWER THE FOLLOWING QUESTIONS.

6. What do you mean by even numbers?

A- Numbers having 2, 4, 6, 8 and 0 as their one's digit are known as even numbers.

7. What do you mean by odd numbers?

A- Numbers having 1, 3, 5, and 9 as their one's digit are odd numbers.

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

A- 52, 54, 56, 58, 60, 62, 64, 66, 68.

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

A- 81, 83, 85, 87, 89, 91, 93, 95, 97, 99.

10. What is the divisibility rule of 4?

A- A number is divisible by 4 if the number formed by its last two digits is divisible by 4 or if the last two digits are both zeroes.

C. FIND THE ANSWER.

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

A- 7+2+3+0=12

12 is divisible by 3.

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

5+2+3+6+1=17

17 is not divisible by 9.

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

7+8+6+8+4=33

33 is not divisible by 4.

14. Check the divisibility of 2812 by 6.

2+8+1+2=13

13 is not divisible by 6.

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

3+9+6+5+5=28

28 is not divisible by 5.