Chapter- 9

Tests of divisibility

WORKSHEET

A. FILL IN THE BLANKS.

1. A number is divisible by 10, if its last digit is ___0___ .

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 ___5___ or ___0___ .

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 number is a even number if it is divisible by 2.

7. What do you mean by odd numbers?

   A number is a odd number if it is not divisible by 2.

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

   52, 54, 56, 58, 60, 62, 64, 66, 68

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

81, 83, 85, 87, 89, 91, 93, 95, 97, 99

10. What is the divisibility rule of 4?

A number is divisible by 4 if the ~~numbers~~ new number formed by the last two digits of the given number is divisible by 4.

C. FIND THE ANSWER.

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

$7+2+3+0 = 12$

yes, it is divisible by 3 as 12 is divisible by 3.

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

$5+2+3+6+1 = 17$

No, it is not divisible by 9 because the sum is not divisible by 9.

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

The new number formed by the last 2 digits of the given number = 84

$84 ÷ 4 = 21$

yes, it is divisible by 4 as the last 2 digits are divisible by 4

14. Check the divisibility of 2812 by 6.

It is divisible by 2 because it has even number at last.

$2+8+1+2 = 13$

It is not divisible by 3 because the sum is not divisible by 3. So, it is not divisible by 6

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

39,655 is divisible by 5 because it has 5 at the right side.