

Chapter 9

Tests of divisibility

WORKSHEET

A. FILL IN THE BLANKS.

1. A number is divisible by 10, if its last digit is 2010
2. A number is divisible by 9, if the sum of its digit is divisible by Nine
3. A number is divisible by 6, if it is divisible by two and three
4. A number is divisible by 5, if its last digit is either 2010 or 5
5. A number is divisible by 3, if the sum of its digits is divisible by three

B. ANSWER THE FOLLOWING QUESTIONS.

6. What do you mean by even numbers?

Number having 2, 4, 6, 8 and 0 as their one's digit, are known as even numbers. ex - 24, 6, 12, 78, 438, 1744, 1800

7. What do you mean by odd numbers?

Number having 1, 3, 5, 7 and 9 as their one's digit are known as odd numbers. ex - 3, 9, 47, 139, 663, 249

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

52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98

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 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.

$$7+2+3+0=12$$

~~Yes~~ It's divisible by 3

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

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

No, It's not divisibility by 9.

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

~~It's~~ Yes, It's divisible by 4 because 84 is divisible by 4.

14. Check the divisibility of 2812 by 6.

~~Yes, It's~~ No It's not divisible by 6 because It's divisible by 2 but It's not divisible by 3.

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

Yes It's divisible by 5 because the last digit is 5