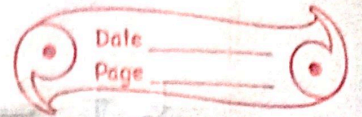


CHAPTER-9  
TESTS OF DIVISIBILITY



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 ~~p~~ 9, if ~~the~~ the sum of ~~a~~ its<sup>s</sup> digit is divisible by 9.

3) A number is divisible by 6, if it is divisible by ~~a~~ 2 and 3.

4) A number is divisible by 5, if its last digit is either 5 or 10.

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

B) Answer the following questions.

6) ~~but~~ If ~~any~~ <sup>a</sup> number's ones place is 2, 4, 6, 8, or 0 then the number is a even number. Examples: 26, 74, 20, 98 etc

7 → If a number have 1, 3, 5, 7, 9 or 9 then the num at the ones place then the number is a odd number.

8 → 52, 54, 56, 58, 60, 62, 64, 66, 68

9 → 81, 83, 85, 87, 89, 91, 93, 95, 97, 99

10 → If the last two digits are divisible by 4 then the number is divisible by 4. Example: 2416, 9936, 4484, 9220 etc

c) Find the answer

11 →  $7 + 2 + 3 + 0 = 12$

12 is divisible by 3.

So, 7,230 is also divisible by 3.

12 →  $5 + 2 + 3 + 6 + 1 = 17$

17 is not divisible 9

So, 52,361 is not divisible by 9.

13) In 78,684 the last two digits means 84 is divisible by 4

So 78,684 is divisible by 4.

14)  $2 + 8 + 1 + 2 = 13$

So this number is divisible by 2 but, not with 3, so the this number is not divisible by 6.

15) Yes, this number is divisible by 5 because 39,655's last digit is divisible by 5.