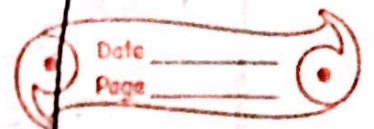


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CHAPTER-9

Tests of Divisibility

PAGE NO:-01

WORKSHEET

① 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 0 or 5

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

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- (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?

Ans → A number is divisible by 4 if the number formed by the last two digits are both zeroes.

- (C) Find the Answer

- (11) Check the divisibility of 7,230 by 3.

7,230 - to check its divisibility, we will add all the digits together.
 $7 + 2 + 3 + 0 = 12$ (is divisible by 3)

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② Check the divisibility of 52,361 by 9.

Ans → 52,361 - To check its divisibility, we will add all the digits together
 $5 + 2 + 3 + 6 + 1 = 17$ (is not divisible by 9)

③ Check the divisibility of 78,684 by 4.

Ans → 78,684 - Its last two digits is divisible by 4 or ~~not~~
~~last~~ 84 is divisible by 4, $4 \times 21 = 84$

④ Check the divisibility of 2812 by 6.

Ans → 2812 - To check its divisibility first we will look at the last digit is then add all the digits together. Since last digit is even it is divisible by 2
 $2 + 8 + 1 + 2 = 13$, IS NOT divisible by 3

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Q) Check the divisibility of
39,655 by 5

Ans) 39,655 To check its

divisibility, if its last digit
concludes digit is either zero
or 5

39,655, its divisible by 5