

Exercise 3.3

Q.1. Using divisibility test determine which of the following numbers are divisible by 2, by 3, by 4, by 5, by 6, by 8, by 9, by 10, by 11 (Say yes or no)

Number	Divisible by								
	2	3	4	5	6	8	9	10	11
128	Yes	No	Yes	No	No	Yes	No	No	No
990	Yes	Yes	No	Yes	Yes	No	Yes	Yes	Yes
1586	Yes	No	No	No	No	No	No	No	No
275	No	No	No	Yes	No	No	No	No	Yes
6686	Yes	No	No	No	No	No	No	No	No
639210	Yes	Yes	No	Yes	Yes	No	No	Yes	No
429714	Yes	Yes	No	No	Yes	No	Yes	No	No
2856	Yes	Yes	Yes	No	Yes	Yes	No	No	No
3060	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No
406839	No	Yes	No	No	No	No	Yes	No	No

Q.2. Using divisibility test term in which of the following numbers are divisible by 4 ; by 8.

A) 572

By 4:- Number formed by last two digits is 72, which is divisible by 4. So 572 is divisible by 4.

By 8:- Number formed by last 3 digits is 572 which is not divisible by 8. So 572 is not divisible by 8.

B) 726352

By 4:- Number formed by last two digits is 52 which is divisible by 4. Hence 726352 is divisible by 4.

By 8:- Number formed by last two digits is 352 which is divisible by 8. So 726352 is divisible by 8.

C) 5500

By 4:- Number formed by last two digits is 00. So 5500 is divisible by 4.

By 8:- Number formed by last three digits is 500 which is not divisible by 8. So, 5500 is not divisible by 8.

D) 6000

By 4:- number formed by last two digits is 00. So 6000 is divisible by 4.

By 8:- Number formed by last 3 digits is 000. So, 6000 is divisible by 8.

Homework

Q.2 (e, f, g, h, i, j) Exercise 3.3 for practice and learn divisibility rules