Day-1

Divisibility rules

2	3	4	5	6	7	8
9	10	11	12	13	14	
15	16	17	18	19		

1) Divisibility rules for 5

5 → ____ → 0/5
last digit

2) Divisibility rule for 10

10 → ____ '0'
last digit

3) Divisibility rule for 2

2 → ____ 0 (or) Even number
last digit

4) Divisibility rule for 3 and 9.

3/9

342 like this sum of digits is

342 = 3+4+2 = 9/3

It Divisibility by 3

9

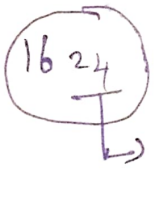
24324 = 18/9 =

It is Divisibility by 3 (or) 9

Divisibility rules for 4 & 8 divi

Divisibility rules for 4

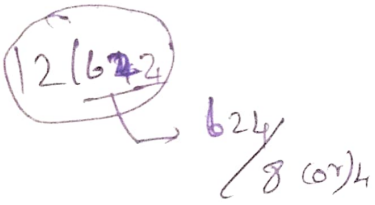
* Take the last two digit of a number is divisibility by 4 like



It is divisibility by 4

Divisibility rules for 8.

* Take the last three digit of a number is divisibility by 8 like



It is divisibility by 8.

Divisibility rule for 6, 12, 14, 15, 18

when the number is divisible by two number

At 6

6 => 126/2,3 => 9/3

12 => 4/3 => It is divisbility by 12

14 => 7/2 => It is Divisbilitiy by 14

15 => 5/3 => It is Divisbilitiy by 15

18 => 9/2 => It is Divisbility by 18

Ex:

At 6

1,368 → 2 => 8/2 = It is divisbilitiy by 2

→ 3 => 1+3+6+8 => 18/3 => It is " by 3

so that is divisibility by 6

At 12

6,132 → 32/4 => It is divisbilitiy by 4

→ 6+1+3+2 => 12/3 => It is divisbility by 3

so, that is divisbility by 12

At 14

2,646 → 6/2 => It is divisbilitiy by 2

→ Take 2,64, Remove first, last digit (6) double the (6), Next subtract from the rest 264 - 12 => 252

repeat: remove last digit (2), double it (4)

subtract from the rest 25 - 4 = 21

is 21 divisible by 7

=> It is divisible by 7

At is

9,345 → 5/5 ⇒ It is divisible by 5

→ 9+3+4+5/3 ⇒ 21/3 ⇒ It is divisible by 3

so, that is divisibility by 15

At 18

5,832 → 2/2 ⇒ It is divisible by 2

→ 5+8+3+2/9 ⇒ 18/9 ⇒ It is divisible by 9.