

DIVISIBILITY RULES OF NUMBERS

- **Divisibility rule of 2** :- Any number ending with 0,2,4,6 and 8 are divisible by 2. e.g, 987624, 43874, 5008, 9320 etc.

- **Divisibility rule by 3**:- If the sum of all the digits of a number is divisible by 3, then the whole number is divisible by 3. e.g, $74532=7+4+5+3+2=21$ which is divisible by 3. Therefore 74532 is divisible by 3.

- **Divisibility rule by 4**:- If the last two-digit of a number is divisible by 4 ,then the whole number is divisible by 4. e.g, 478420. Since the last two-digit in 478420 is 20 and 20 is divisible by 4, therefore 478420 is also divisible by 4.

- **Divisibility rule by 5**:- If the given number ends with 0 or 5 then only the number is divisible by 5 otherwise it is not divisible by 5. e.g, 54320, 4225, 86320 etc.

- **Divisibility rule by 6**:- If the given number is divisible by 2 & 3 both, then only the given number is divisible by 6. e.g, 425712 . 425712 is divisible by 2 as it ends with 2 and $4+2+5+7+1+2=21$ which is divisible by 3. Hence, 425712 is divisible by both 2&3. Therefore 425712 is divisible by 6.