

PARAGON CONVENT SCHOOL

SECTOR 24 B CHANDIGARH

ACTIVITY 6

Q-1. Encircle the numbers which are divisible by 2

Divisibility by 2

A number is divisible by 2 if the digit at the ones place is an even number

1. 428 : Yes, it is divisible by 2 because last number is even
2. 517 : No, it is not divisible by 2 because last number is odd.
3. 138 : Yes, it is divisible by 2 because last number is even
4. 2345 : No, it is not divisible by 2 because last number is odd.

Q-2. Encircle the numbers which are divisible by 5

Divisibility by 5

A number is divisible by 5 if the digit in the ones place is either 5 or 0.

1. 230
In 230 , ones place is 0 . Hence 230 is divisible by 5
2. 425
In 425 , ones place is 5 . Hence 425 is divisible by 5
3. 1272
In 1272 , ones place is not equal to 5 or 0 , Hence 1272 is not divisible by 5
4. 868
In 868 , ones place is not equal to 5 or 0 , Hence 868 is not divisible by 5

Q-3. Encircle the numbers which are divisible by 10

Divisibility by 10

A number is divisible by 10 if the digit in the ones place is 0

1. 110
In 110 , ones place is 0 ,Hence 110 is divisible by 10
2. 135
In 135 , ones place is 5 ,Hence 135 is not divisible by 10
3. 1450
In 1450 , ones place is 0 ,Hence 1450 is divisible by 10
4. 4660

In 4660 , ones place is 0 ,Hence 4660 is divisible by 10

Q-4. Check whether the following numbers are divisible by 3

Divisibility by 3

A number is divisible by 3 if the sum of the digits of a number is divisible by 3.

a. 39

Sum of the digits of $39 = 3 + 9 = 12$

As 12 is divisible by 3 , therefore 39 is divisible by 3

b. 73

Sum of the digits of $73 = 7 + 3 = 10$

As 10 is not divisible by 3 , therefore 73 is not divisible by 3

c. 282

Sum of the digits of $282 = 2 + 8 + 2 = 12$

As 12 is divisible by 3 , therefore 282 is divisible by 3

d. 866

Sum of the digits of $866 = 8 + 6 + 6 = 20$

As 20 is not divisible by 3 , therefore 866 is not divisible by 3

Q-5. Check whether the following numbers are divisible by 6

Divisibility by 6

A number is divisible by 6 if it is divisible by both 2 and 3 .

a. 426

426 is divisible by 2 as it is even number

426 is also divisible by 3 ($4 + 2 + 6 = 12$)

So , 426 is divisible by 6

b. 517

517 is not divisible by 2 as it is not even number

517 is not divisible by 3 as ($5 + 1 + 7 = 13$)

So , 517 is not divisible by 6

c. 732

732 is divisible by 2 as it is even number

732 is also divisible by 3 ($7 + 3 + 2 = 12$)

So , 732 is divisible by 6

d. 1382

1382 is divisible by 2 as it is even number

1382 is not divisible by 3 as ($1 + 3 + 8 + 2 = 14$)

So , 1382 is divisible by 6

Q-6. Check whether the following numbers are divisible by 6

Divisibility by 9

A number is divisible by 9 if the sum of all the digits is divisible by 9

a. 216

Sum of the digits = $2 + 1 + 6 = 9$

Yes , 216 is divisible by 9 because sum of the digits is divisible by 9

b. 845

Sum of the digits = $8 + 4 + 5 = 17$

No , 845 is not divisible by 9 because sum of the digits is not divisible by 9

c. 1872

Sum of the digits = $1 + 8 + 7 + 2 = 18$

Yes , 1872 is divisible by 9 because sum of the digits is divisible by 9