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GOVERNMENT HIGHER SECONDARY SCHOOL-PENNALURPET-602026

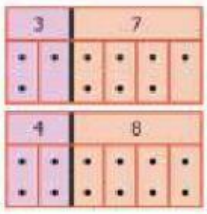
CLASS:VI **TERM: II** **SUB: MATHEMATICS**

UNIT-1: NUMBERS **TOPIC: ODD/EVEN-FACTORS/MULTIPLES**

Name:

Objective: To recall odd and even number. To understand Factors and multiples

1. Odd and Even Numbers



- A number is called an ***odd number*** if it cannot be grouped equally in twos. 1, 3, 5, 7, ..., 73, 75, ..., 2009,... are ***odd numbers.***
- A number is called an ***even number*** if it can be grouped equally in twos. 2, 4, 6, 8, ..., 68, 70, . . , 4592,... are ***even numbers.***
- All odd numbers end with any one of the digits 1, 3, 5, 7 or 9.
- All even numbers end with any one of the digits 0, 2, 4, 6 or 8.

Identify whether given numbers odd or even.

1. **Odd numbers end with 1,3,5,7,9.**
2. **Even numbers end with 0,2,4,6,8.**
3. **8 is a/an**
4. **9 is a/an**
5. **21 is a/an**
6. **48 is a/an**
7. **999 is a/an**
8. **1024 is a/an**
9. **89 is a/an**
10. **98 is a/an**

- 1 is odd, its successor 2 is even and so its predecessor 0 is also even.
- The first natural number 1 is odd and the first whole number 0 is even.

1.The first natural number 1 is

2.The first whole number 0 is

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FACTORS AND MULTIPLES

FACTORS

- A factor is a number that divides the given number exactly (gives remainder zero).
- Every number has two factors that is 1 and the number itself.
- Every factor of a given number is less than or equal to that number.

METHODS OF FINDING FACTORS

METHOD 1

1.Factors of 6 are

6÷1=6

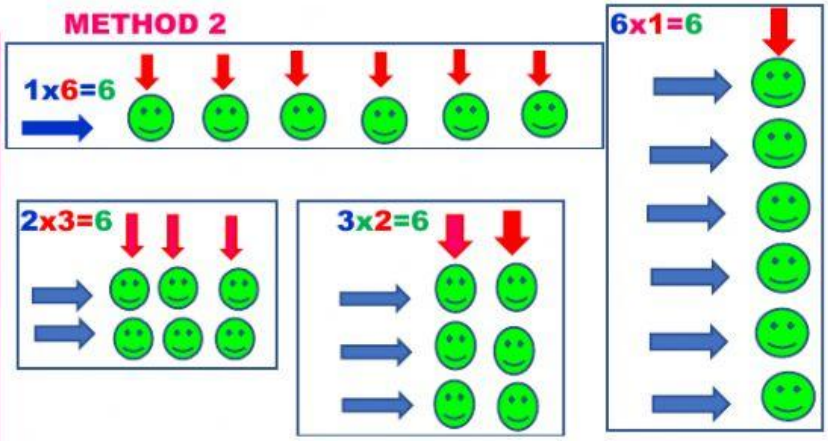
6÷2=3

6÷3=2

6÷6=1

Factors of 6 are 1,2,3,6.

METHOD 2



There are four ways to find factors of by row x column

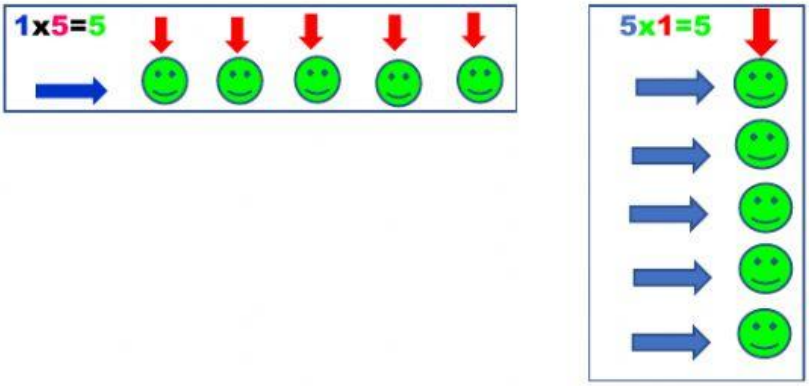
-row **-column**

2.Factors of 5 are

5÷1=5

5÷5=1

Factors of 5 are 1,5



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MULTIPLES

- **Every multiple of a given number is greater than or equal to that number.**

  Multiples of 7 are 7, 14, 21, 28,... . They are greater than or equal to 7.

- **Multiples of a number are endless.**

  Multiples of 5 are 5, 10, 15, 20,... . They are endless.

Multiples of 6[tables]	Multiples of 5[tables]
6x1=6	5x1=5
6x2=12	5x2=10
6x3=18	5x3=15
6x4=24	5x4=20

Identify whether given numbers factors or multiples.

1.7x1=7,1x7=7 is of 7.

2.7x1=7,7x2=14,7x3=21 is of 7.

3. of a number are endless.

4. of a number are ended.

5.15,30,45,60 is of a number 15.

6.1,3,5,15 is of a number 15.

7.choose first 4 multiples of 8

8.choose the factors of 8.

9.1,3,9 are multiples of 9

10.9,18,27,36 are factors of 9.