

# Grade:IV Properties of Factors

The properties of factors are discussed step by step according to its property.

**Property (1):  
  
Every whole number is the product of 1 and itself so**  
  
(i) Each number is a factor of itself.   
  
19 x 1 = 19,   
  
So, 19 is the factor of 19.

(ii) 1 is the factor of every number.   
  
31 x 1 = 31,   
  
So, 1 is the factor of 31.

**Property (2):**

**Every number is a factor of zero (0)**  
  
As, 7 x 0 = 0,  
  
17 x 0 = 0,  
  
93 x 0 = 0  
  
So, 7, 17, 93, ……, etc., are the factors of 0.

**Property (3):  
  
1 is the smallest factor of a multiple and the greatest factor of a multiple is the multiple itself.**

# Property (4): Every number other than 1 has at least two factors, namely the number itself and 1. Therefore, the properties of factors are explained above so, that student can understand each property.