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CLASS: VII SUB: MATHEMATICS

## Properties of Multiplication of Fractional Numbers

The properties of multiplication of fractional numbers are discussed here.

Property 3: If a fractional number is multiplied by zero, the product is zero.

Property 1: If two fractional numbers are multiplied in either order, the product remains the same. For Example: (i)  $2/3 \times 7/5$  =  $2 \times 7/3 \times 5$  = 14/15 Property 2: If a fractional number is multiplied by one, the product is the fractional number itself. For Example: (i)  $7/9 \times 1$  =  $7/9 \times$ 

For Example:

(i)  $3/11 \times 0$ 

= 3×0/11 = 0

1. Find:

(a) 21/15 of 75

(b) 1/3 of 93

(c) 4/7 of 63

(d) 9/16 of 120

2. Find the product:

(a)  $2/17 \times 7/12$ 

(b)  $6/25 \times 3/14$ 

(c)  $9/15 \times 20/3$ 

(d)  $4/17 \times 4/3$ 

(e)  $6/38 \times 1/2$ 

3. Simplify:

(a)  $15/7 \times 5 \times 1$ 

(b)  $2/12 \times 2/34 \times 1$ 

(c)  $1/7 \times 0 \times 11/25$