## MAT-111

Numbering System

01.

Division method:

Tree dyayagram:

1240 2 620 2 310 2 155 Multipulication method 5 31

 $1240 = 2 \times 620$ =  $2 \times 2 \times 310$ =  $2 \times 2 \times 2 \times 155$ =  $2 \times 2 \times 2 \times 5 \times 31$ 

: Thereforce, the factoral gadion of 1240 = 23.5.31

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therefore, the prime factorization of 1240

 $=2^35.31$ 

the total numbers of factors are,

(3+1) (1+1) (1+1)

= 4.2.2

=16

Here, calculation for all factors

1240 = 1×1240

= 2 ×620

= 4 × 310

= 5 x 248

= 8 x 155

= 10× 124

 $=20 \times 62$ 

= 31 x 40

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-, the factors of 1240 ane 1,2,4,5,8,10,20,31,40,62,124,155 248,310,620,1240

03. All the Proim factors: 2,5,31

04. All the composite factors of 1240 are Bloods

4,8,10,20,40,62,124,155,20