

1. Division Method:

$$\begin{array}{r} 2 \overline{) 1240} \\ 2 \overline{) 620} \\ 2 \overline{) 310} \\ 5 \overline{) 155} \\ 31 \end{array}$$

$\therefore$  The prime factorization of  $1240 = 2^3 \cdot 5 \cdot 31$

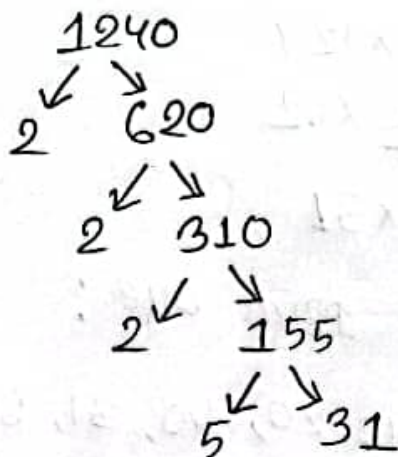
Multiplication Method:

$$1240 = 2 \times 620 = 2 \times 2 \times 310 = 2^2 \times 2 \times 155$$

$$= 2^3 \times 5 \times 31$$

$$= 2^3 \cdot 5 \cdot 31$$

Tree diagram:



The prime factorization of  $1240 = 2^3 \cdot 5 \cdot 31$

2. The Prime factorization of 1240 is

$$= 2^3 \cdot 5 \cdot 31$$

So, the total number of factors of 1240 is

$$(3+1) \cdot (1+1) \cdot (1+1)$$

$$= 4 \cdot 2 \cdot 2$$

$$= 16$$

Calculation of all factors

$$1240 = 1 \times 1240$$

$$= 2 \times 620$$

$$= 4 \times 310$$

$$= 8 \times 155$$

$$= 5 \times 248$$

$$= 10 \times 124$$

$$= 20 \times 62$$

$$= 40 \times 31$$

The factors of 1240 are :

1, 2, 4, 5, 8, 10, 20, 40, 31, 62, 124, 248,  
155, 310, 620, 1240.

3. The Prime factor of 1240 is  
= 2, 5, 31

4. The composite factor of 1240 is  
= 4, 8, 10, 20, 40, 62, 124, 248, 155, 310,  
620, 1240