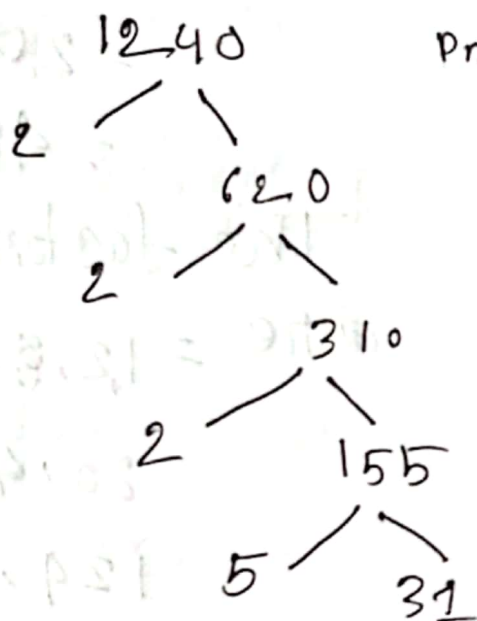


\* division method.

$$\begin{array}{r} 2 \overline{) 1240} \\ \underline{2} \phantom{0} \\ 2 \overline{) 620} \\ \underline{2} \phantom{0} \\ 2 \overline{) 310} \\ \underline{5} \phantom{0} \\ 5 \overline{) 155} \\ \underline{31} \end{array}$$

Prime factorization is  
 $2^3 \cdot 5 \cdot 31$

\* tree method.



Prime factorization is  
 $2^3 \cdot 5 \cdot 31$

\* multiplication method

$$1240 = 2 \times 620$$

$$= 2 \times 2 \times 310$$

$$= 2 \times 2 \times 2 \times 155$$

$$= 2 \times 2 \times 2 \times 5 \times 31$$

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

Prime factorization is  $= 2^3 \cdot 5 \cdot 31$

② From no. 1.

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

So the total numbers of factors are

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

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

$$= 16$$

calculation of all factors

$$1240 = 1 \times 1240$$

$$= \cancel{2 \times 620}$$

$$= 2 \times 620$$

$$= 4 \times 310$$

$$= 8 \times 155$$

$$= 5 \times 248$$

$$= 10 \times 124$$

$$= 20 \times 62$$

$$= 40 \times 31$$

The factors of 1240 are

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

1240.

③ The Prime factors of 1240 is  $= 2, 5, 31$

④ The composite factors of 1240 is

4, 8, 10, 20, 40, 62, 124, 248, 155, 310, 620,

1240.