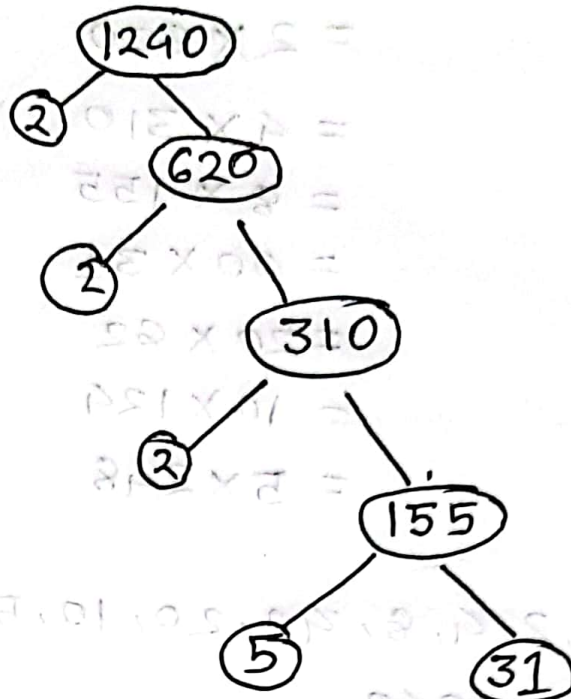


* Division Method

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

* Tree diagram



* Multiplication Method

$$\begin{aligned} 1240 &= 2 \times 620 \\ &= 2^2 \times 310 \\ &= 2^3 \times 155 \\ &= 2^3 \times 5 \times 31 \end{aligned}$$

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

So, the total number of factors of 1240 is

$$\begin{aligned} &= (3+1) \cdot (1+1) \cdot (1+1) \\ &= 4 \cdot 2 \cdot 2 \\ &= 16 \end{aligned}$$

$$* 1240 = 1 \times 1240$$

$$= 2 \times 620$$

$$= 4 \times 310$$

$$= 8 \times 155$$

$$= 40 \times 31$$

$$= 20 \times 62$$

$$= 10 \times 124$$

$$= 5 \times 248$$

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

\therefore Prime factor = 2, 5, 31

So composite factor 4, 8, 40, 20, 10, 248

124, 62, 155, 310, 620, 1240

$$(1+4) \cdot (1+1) \cdot (1+5) =$$

$$5 \cdot 2 \cdot 6 =$$

$$60 =$$