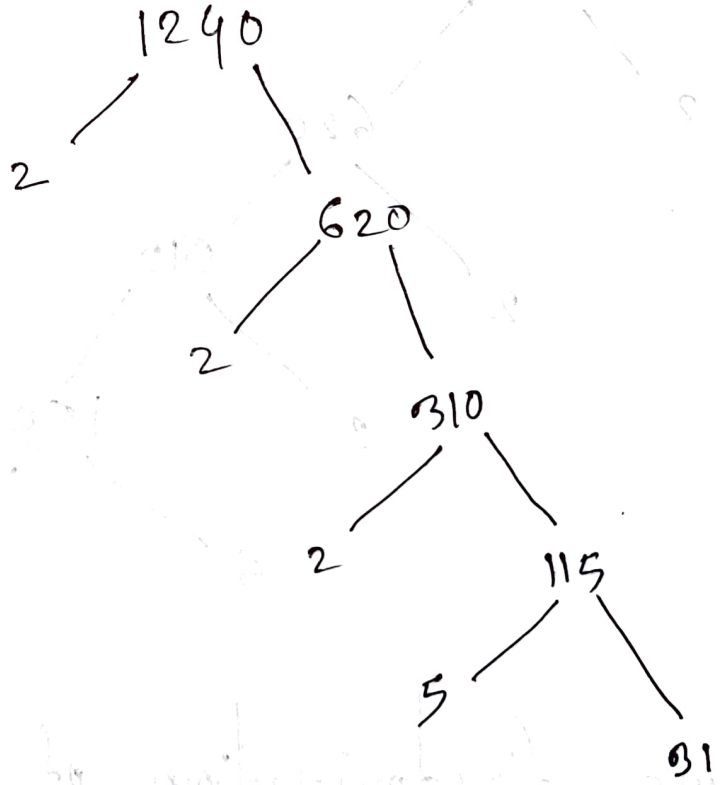
1. prime factorization of 1240

Division method :-

$$
\begin{array}{r|l}
2 & 1240 \\
\hline
2 & 620 \\
\hline
2 & 310 \\
\hline
5 & 155 \\
\hline
 & 31
\end{array}
$$

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

Tree diagram :-



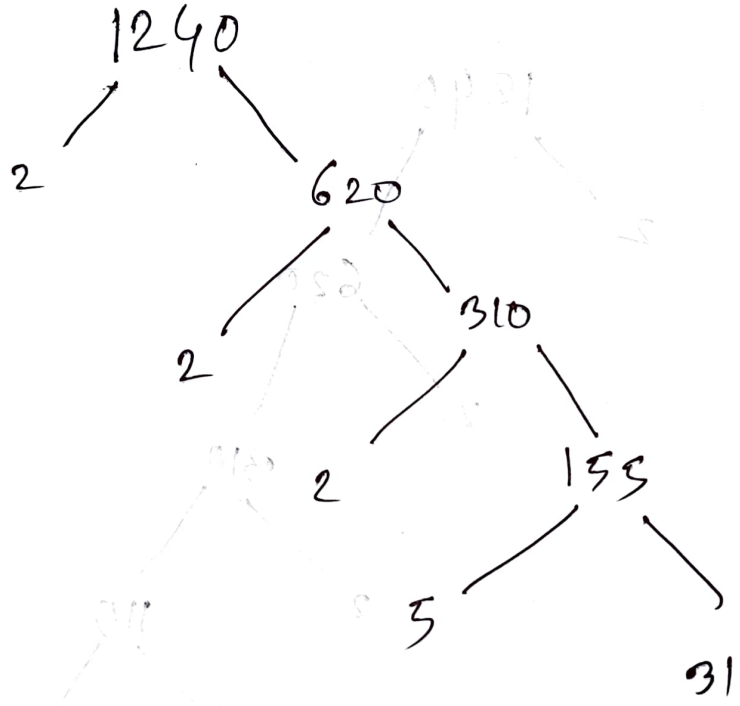
prime factorization $= 2^3 \cdot 5 \cdot 31$

Multiplication method:-

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

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

2. All factors of 1240 using tree diagram



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

The total number of factors of $1240 = (3+1)(1+1)(1+1)$

All the factors of 1240-

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

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

3. The prime factors of 1240-

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

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

The prime factors of 1240 = 2, 5, 31

4. The composite factors of 1240 = 4, 8, 10, 20, 40, 60, 124, 155, 248, 310, 620, 1240