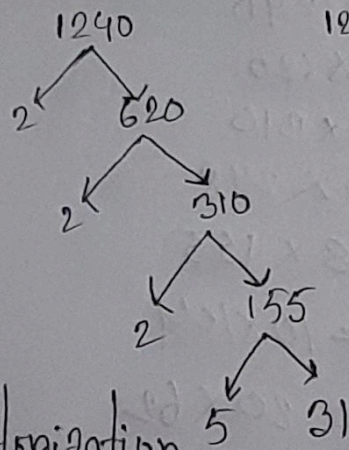


Division Method

①
$$\begin{array}{r} 2 \overline{)1240} \\ \underline{2 620} \\ 2 310 \\ \underline{2 155} \\ 5 155 \\ \underline{5 155} \\ 31 \end{array}$$

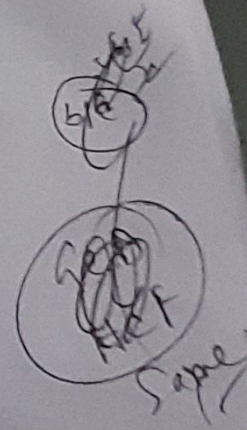
Tree Diagram



Multiplication Method

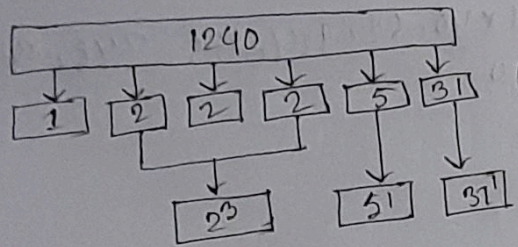
$$\begin{aligned} 1240 &= 2 \times 620 = 2 \times 2 \\ &\times 310 = 2 \times 2 \times 155 \\ &= 2^3 \times 5 \times 31 \end{aligned}$$

\therefore therefore, the prime factorization of 1240 is $= 2^3 \cdot 5 \cdot 31$



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

② ①



N.B. ~~7-31~~ prime factor
~~5-31~~ to
 composite
 factor

$\therefore (3+1)(1+1)(1+1) = 16$

①①

$$\begin{array}{r} 2 \overline{) 1240} \\ \underline{2400} \\ 2 \overline{) 620} \\ \underline{2400} \\ 2 \overline{) 310} \\ \underline{5 \overline{) 155}} \\ 31 \end{array}$$

Therefore, the prime factorization of 1240 is $= 2^3 \cdot 5 \cdot 31$

\therefore So, total number of factors of 1240 is $(3+1)(1+1)(1+1) = 16$

3. We have, 1240

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

\therefore All the prime factors of 1240 are; 2, 5, 31



Samsung Quad Camera

Shot with my Galaxy A12

Ans 1240 = 2 x 10 x 10 x 10

$$\begin{aligned} 9 \quad 1240 &= 1 \times 1240 \\ &= 2 \times 620 \\ &= 4 \times 310 \\ &= 5 \times 248 \\ &= 8 \times 155 \\ &= 10 \times 124 \\ &= 20 \times 62 \\ &= 31 \times 40 \end{aligned}$$

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

\therefore And, ^{all} the composite factors are, 4, 8, 10, 20, 31, 40, 62, 124, 155, 248, 310, 620, 1240.

