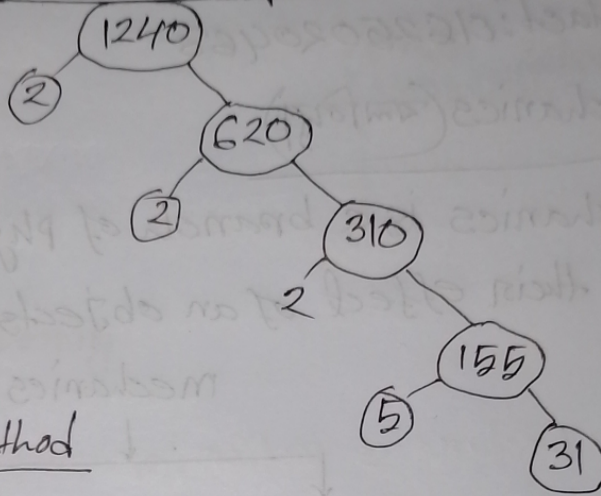


1 Prime factorization of 1240

(i) Division method

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

(ii) Tree Diagram



(iii) Multiplication method

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

3/

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

So, the all prime factors = 2, 5, 31

4 All composite factors = 4, 8, 10, 20, 40, 62, 124, 155, 248, 310, 620, 1240.