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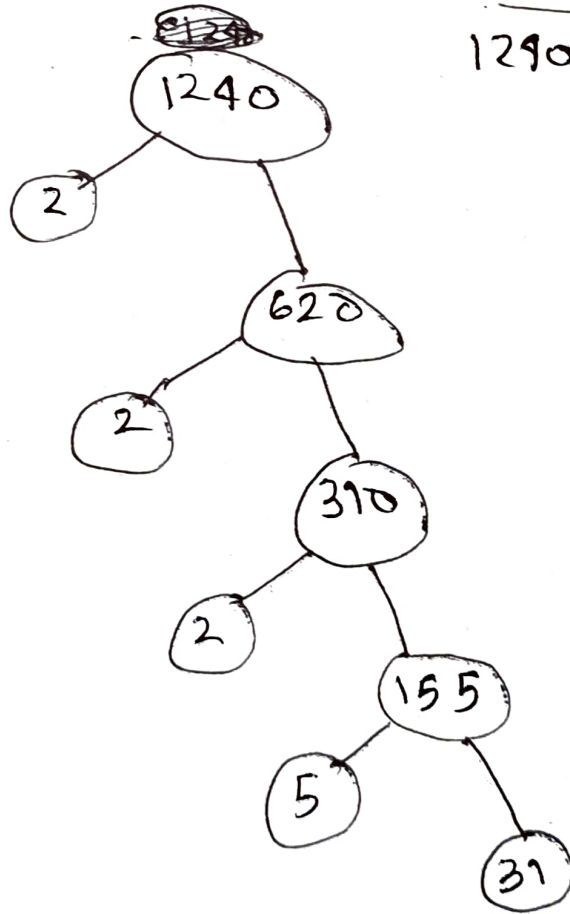
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1. Prime factorization of 1240 using three different methods :

Division method

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

Tree diagram



Multiplication method

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

2.

1240

$$1 \times 1240$$

$$2 \times 620$$

$$4 \times 310$$

$$5 \times 248$$

$$8 \times 155$$

$$10 \times 124$$

$$20 \times 62$$

$$31 \times 40$$

so, all the factors of 1240 are:

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

620, 1240

3. Prime factors: 2, 5, 31

4. Composite factors: 4, 8, 10, 20, 40, 62, 124,

155, 248, 310, 620, 1240