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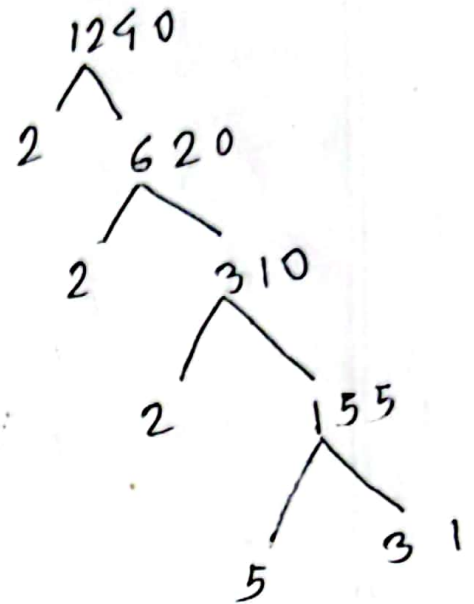
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1) Division method.

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

#⁽ⁱⁱ⁾ Tree method

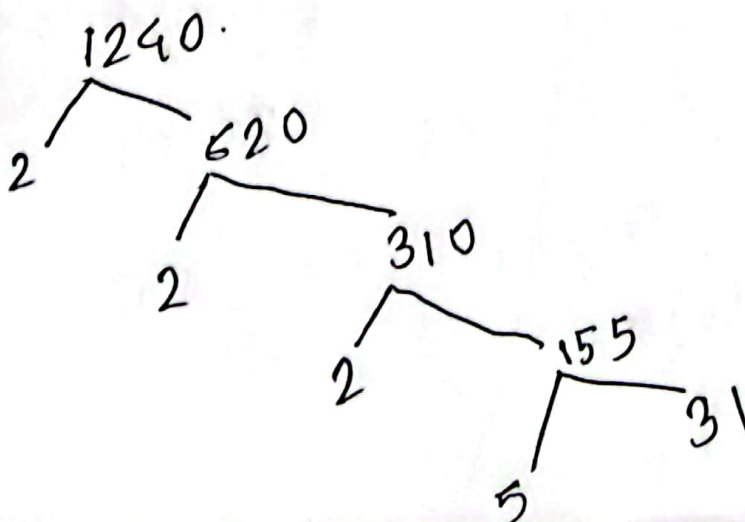


(iii) multiplication.

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

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

2/ Tree diagram:



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So, the total number of factors of 1240

~~is~~ is : $2^3 \cdot 5 \cdot 31$

$$= (3+1) \cdot (1+1) \cdot (1+1)$$

$$= 4 \cdot 2 \cdot 2$$

$$= 16$$

Calculation for all factors

$$1240 = 1 \times 1240$$

$$= 2 \times 620$$

$$= 4 \times 310$$

$$= 5 \times 248$$

$$= 8 \times 155$$

$$= 10 \times 124$$

$$= 20 \times 62$$

$$= 31 \times 40$$

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

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3/ Find the all prime factors of 1240.

can be ~~qu~~ no. 2

∴ all factors of 1240 is: 1, 2, 4, 5, 8, 10, 20, 31, 40, 62, 124, 155, 248, 310, 620, 1240

∴ all prime factors of 1240 is = 2, 5, 31

(4) Find the all composite factors of 1240.

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

∴ all composite factors of 1240 is:

4, 8, 10, 20, 40, 62, 124, 155, 248, 310, 620, 1240.