

1.

Prime Factorization of 1240.

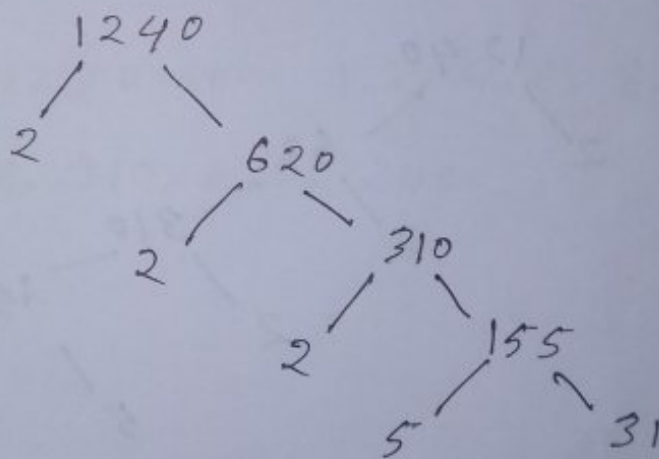
Date:

Division method:

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

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

Tree diagram:



$$\text{Prime factorization} = 2^3 \cdot 5 \cdot 31$$

~~2~~



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Multiplication method:

$$1240 = 2 \times 620$$

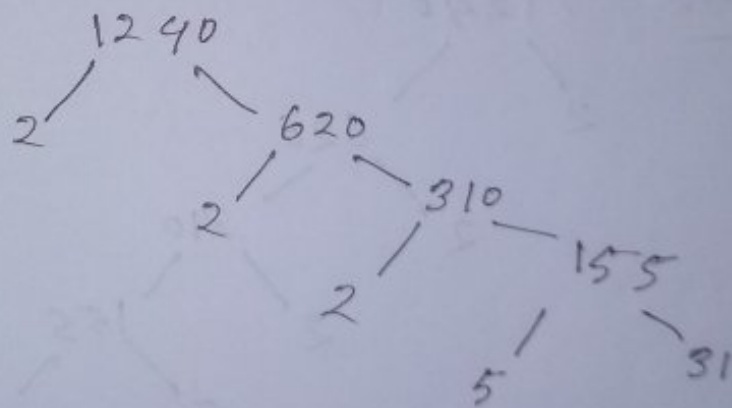
$$= 2 \times 2 \times 310$$

$$= 2 \times 2 \times 2 \times 155$$

$$= 2 \times 2 \times 2 \times 5 \times 31$$

$$\text{Prime factorization} = 2^3 \cdot 5 \cdot 31$$

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

All the factors of 1240 -

Date: _____

~~1240 x 1~~

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.



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3. The Prime factors of 1240 -

$$1 \times 1240$$

$$2 \times 620$$

$$4 \times 310$$

$$5 \times 248$$

$$8 \times 155$$

$$10 \times 124$$

$$20 \times 62$$

$$31 \times 40$$

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 all composite factors of 1240.

Date: _____

$$1 \times 1240$$

$$2 \times 620$$

$$4 \times 310$$

$$5 \times 248$$

$$8 \times 155$$

$$10 \times 124$$

$$20 \times 62$$

$$31 \times 40$$

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

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

