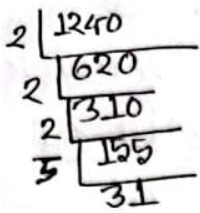


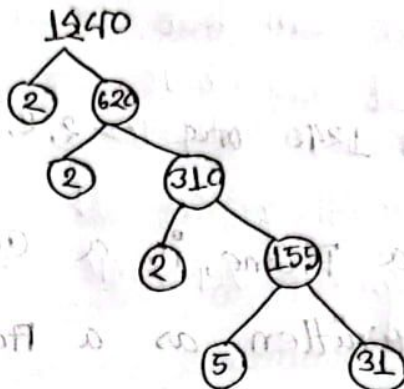
Number System

Math

① Division method:



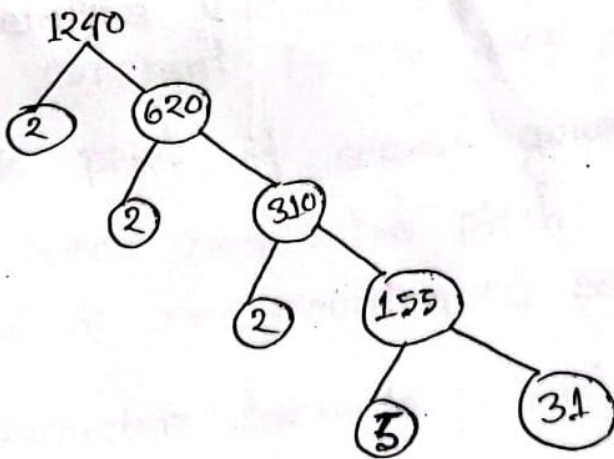
Tree method:



Multiplication method:

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

② Tree Diagram:



All the factors are : 2, 5, 31, 155, 310, 620, 1240

p.

$$\textcircled{3} \quad 1240 \div 2 = 620$$

$$620 \div 2 = 310$$

$$310 \div 2 = 155$$

$$155 \div 5 = 31$$

$$31 \div 31 = 1$$

Prime factors of 1240 are $\rightarrow 2, 2, 2, 5, 31$

$\textcircled{4}$ 1240 is not a prime, is a composite number.

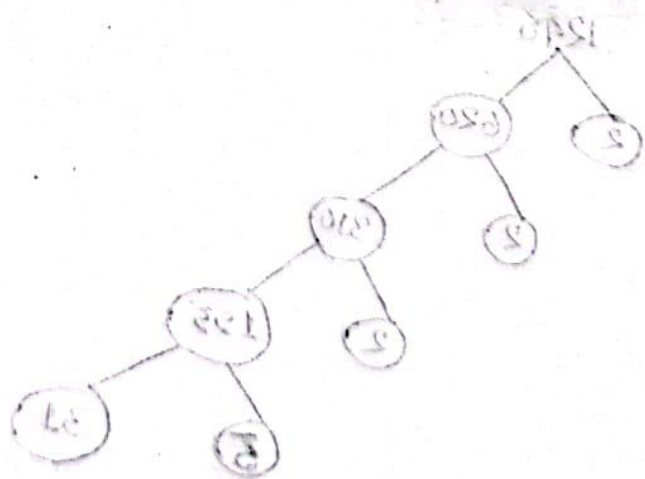
1240 can be written as a product of prime factors.

The prime factorization of 1240

$$1240 = 2 \times 2 \times 2 \times 5 \times 31$$

In exponential notation:

$$1240 = 2^3 \times 5 \times 31$$



All the factors are: 2, 2, 2, 5, 31