1.

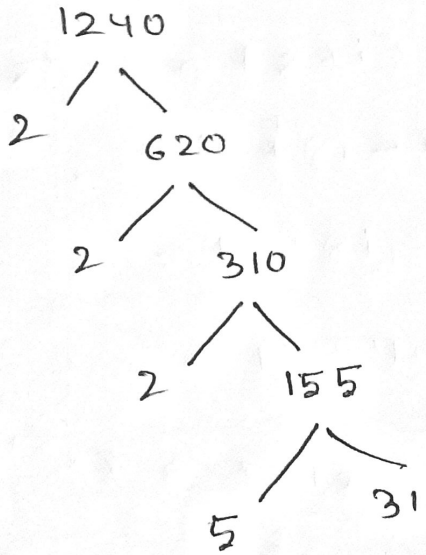
Prime Factorization: 1240

i. Division Method

2	1240
2	620
2	310
5	155
	31

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

(ii) Tree Diagram



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

Multiplication Method

$1240 = 2 \times 620 = 2 \times 2 \times 310 = 2^2 \times 2 \times 155 = 2^3 \times 5 \times 31$

$= 2^3 . 5 . 31$

The prime factorization 1240 is $= 2^3 . 5 . 31$

2. All the factors of 1240.

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

∴ the total number of 1240 is $= (3+1)(1+1)(1+1)$

$= 16$

$1240 = 1 \times 1240$

$= 2 \times 620$

$= 4 \times 310$

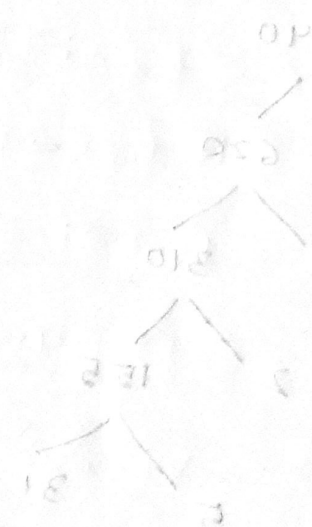
$= 5 \times 248$

$= 8 \times 155$

$= 10 \times 124$

$= 20 \times 62$

$= 31 \times 40$



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

3. The prime factors of 1240 is $2^3, 5, 31$

4. The composite factor of 1240 is

4, 8, 10, 20, 40, 62, 124, 24, 155, 310, 620, 1240