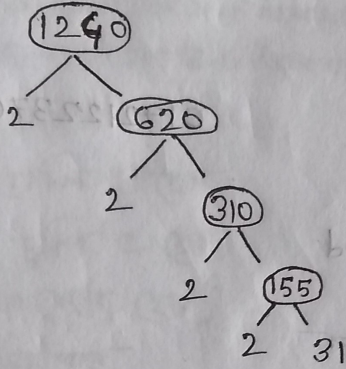


Math solve

1) Find the prime factorization of 1240 using three different methods.

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



$$\begin{aligned} 1240 &= 1 \times 1240 \\ 1240 &= 2 \times 620 \\ &= 4 \times 310 \\ &= 8 \times 155 \\ &= 5 \times 248 \\ &= 10 \times 124 \\ &= 20 \times 62 \\ &= 40 \times 31 \end{aligned}$$

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

2) Find the all factors of 1240 using tree diagram.

Ans. Factors of 1240 is $= (3+1) \cdot (1+1) \cdot (1+1)$
 $= 4 \cdot 2 \cdot 2$
 $= 16$

3) The prime factors of 1240 are:

- 1, 2, 4, 8, 5, 10, 20, 40, 31, 62, 124, 248, 155, 310, 620, 1240

4) The composite factors of 1240 are:

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