

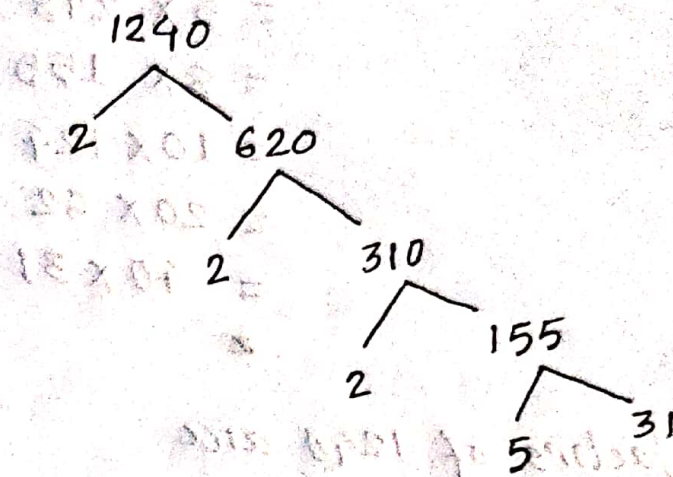
Answer to the exercise question no: 1

The prime factorization of 1240 using three different methods.

Division method

2	1240
2	620
2	310
5	155
	31

Tree diagram



Multiplication

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

Therefore, the prime factorization of 1240 is $= 2^3 \cdot 5 \cdot 31$