Sub :

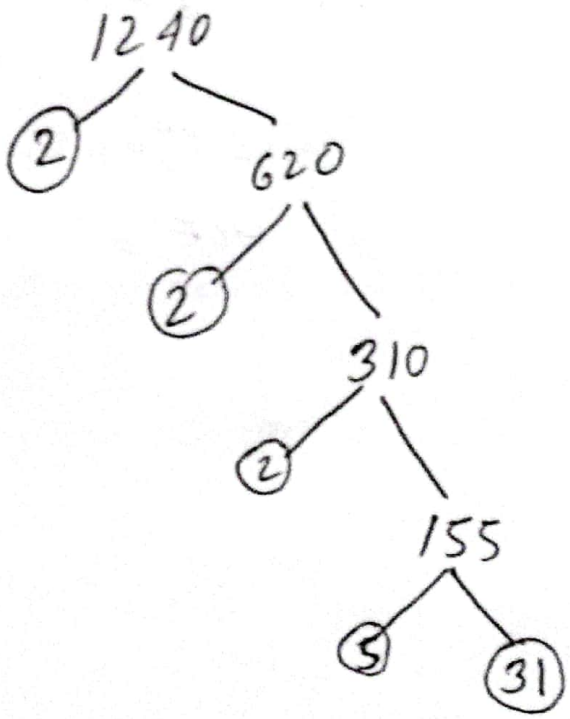
Day

Time : Date : / /

1) Division Method

$$\begin{array}{r|l} 2 & 1240 \\ \hline 2 & 620 \\ \hline 2 & 310 \\ \hline 5 & 155 \\ \hline & 31 \end{array}$$

☆ Tree diagram



Multiplication Method

$1240 = 2 \times 620 = 2 \times 2 \times 310 = 2 \times 2 \times 2 \times 155$

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

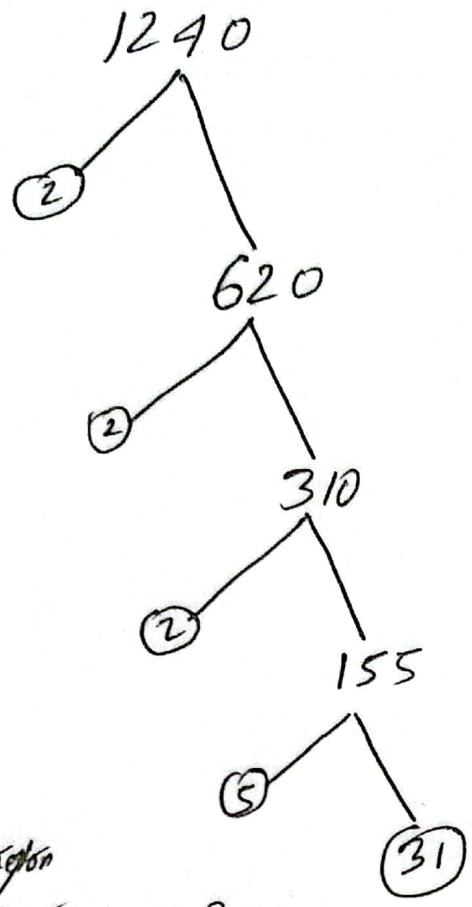
∴ Prime factor of $1240 = 2^3 \cdot 5 \cdot 31$

Sub :

Day

Time : Date : / /

(2)



$1240 = 2^3 \cdot 5^1 \cdot 31^1$

$Q = p^L q^m p^n$

$Q = (L+1)(m+1)(n+1)$

$Q = (3+1)(1+1)(1+1)$

$Q = 16$

$1240 = 1 \times 1240$
$= 2 \times 620$
$= 4 \times 310$
$= 5 \times 248$
$= 8 \times 155$
$= 10 \times 124$
$= 20 \times 62$
$= 40 \times 31$

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

~~Prim factor~~

~~∴ 1240 = $2^3 \cdot 5 \cdot 31$~~

~~∴ All factor = 2, 5, 31, 155, 310, 620, 1240~~

(3) Prime factor of 1240 = 2, 5, 31

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