

4) Complete the following table :

Number	Product	H.C.F.	L.C.M	Product of L.C.M. & H.C.F.
12 and 15	180	3	60	180
18 and 24	432	6	72	432
27 and 36	972	9	108	972
24 and 32	768	8	96	768
35 and 42	1470	7	210	1470

$$\begin{array}{r|l}
 9. & 2 \\
 \hline
 & 12, 16, 20 \\
 \hline
 & 2 \quad 6, 8, 10 \\
 \hline
 & 2 \quad 3, 4, 5 \\
 \hline
 & 3 \quad 3, 2, 5 \\
 \hline
 & 5 \quad 1, 2, 5 \\
 \hline
 & 2 \quad 1, 2, 1 \\
 \hline
 & 1, 1, 2
 \end{array}$$

$$L.C.M. = 2 \times 2 \times 2 \times 3 \times 5 \times 2 = 240$$

$$\begin{array}{r|l}
 10. & 5 \\
 \hline
 & 5, 10, 12 \\
 \hline
 & 2 \quad 1, 2, 12 \\
 \hline
 & 3 \quad 1, 1, 6 \\
 \hline
 & 2 \quad 1, 1, 2 \\
 \hline
 & 1, 1, 1
 \end{array}$$

$$L.C.M. = 3 \times 2 \times 3 \times 2 = 60$$