Pg. 140
\#8
e)

$$
\begin{gathered}
160 \rightarrow 2 \times 2 \times 2 \times 2 \times 2 \times 5 \\
672 \rightarrow 2 \times 2 \times 2 \times 3 \\
2 \times 2 \times 2 \times 2 \times 2 \\
g C F=32
\end{gathered}
$$

f) $\begin{aligned} 220 & \rightarrow(2) \times(2) \times(5) \times 11 \\ 860 & \rightarrow(2) \times(2) \times(5 \times 43 .\end{aligned}$

$$
\begin{aligned}
& 2 \times 2 \times 5 \\
& y_{C F}=20
\end{aligned}
$$

$$
\begin{aligned}
& 2 \times 2 \times 5 \\
& Y_{C F}=20
\end{aligned}
$$

\#9 a)

$$
\begin{aligned}
150 & \rightarrow 2 \times 3 \times 5 \times 5 \\
275 & \rightarrow 5 \times 5 \times 11 \\
420 & \rightarrow 2 \times 2 \times 3 \times 5 \times 7
\end{aligned}
$$

$$
g c F=5
$$

\#10
d)

$$
\begin{aligned}
& \begin{array}{l}
38 \rightarrow 2 \times 19 \\
42 \rightarrow 2 \times 3 \times 7=2
\end{array} \\
& 2 \times 3 \times 19 \times 7 \\
& \text { LCM }=798
\end{aligned}
$$



$$
\begin{aligned}
8 & \times 27 \times 5 \\
\text { LCM } & =1080
\end{aligned}
$$

$$
\text { \#17. } \left.\quad \begin{array}{rl}
3200 & \rightarrow(2 \times(2) \times(2) \times(2) \times(2) \times 2 \times 2 \times 545) \\
2400 & \rightarrow(2) \times(2 \times(2) \times(2) \\
2 \times 3 \times 5 \times 5
\end{array}\right)
$$

\#19.


$$
\begin{aligned}
& 2^{3} \times 3^{2} \\
& 8 \times 9=72
\end{aligned}
$$



$$
\begin{aligned}
& 18 \rightarrow 2 \times 3 \times 3=2^{11} \times 3^{2} \\
& 24 \rightarrow 2 \times 2 \times 2 \times 3=22^{3} \times 3^{1}
\end{aligned} \quad \text { Setting Bigfer }
$$




