Multiplication with regrouping is the easiest way to multiply by large numbers.
Follow the steps below to learn how.

-First, multiply the numbers in the ones place.
-Write your result in the ones place and carry any number in the tens place forward.
-Next, multiply the number in the tens place by the bottom number in the ones place.
-Add the extra number you carried over to your result and write this number in the tens place.


For each problem below, follow the steps used in the example to find your solution. Be sure to show all of your work.
$\begin{array}{r}24 \\ \times \quad 3 \\ \hline\end{array}$
$\begin{array}{r}12 \\ \times \quad 5 \\ \hline\end{array}$
$\begin{array}{r}19 \\ \times \quad 3 \\ \hline\end{array}$
$\begin{array}{r}14 \\ \times 4 \\ \hline\end{array}$
$\begin{array}{r}15 \\ \times 6 \\ \hline\end{array}$
$\begin{array}{r}16 \\ \times \quad 4 \\ \hline\end{array}$
38
$\begin{array}{r}29 \\ \times \quad 3 \\ \hline\end{array}$
$\begin{array}{r}24 \\ \times \quad 4 \\ \hline\end{array}$
28
17
6) $\times 2$
18) $\times 4$
22) $\times 8$
$\begin{array}{r}16 \\ 35 \\ \times 2 \quad 7 \lcm{2} \\ \hline\end{array}$
$\begin{array}{r}18 \\ \times 4 \\ \hline\end{array}$
$\begin{array}{r}27 \\ \times \quad 2 \\ \hline\end{array}$
$\begin{array}{r}13 \\ \times 7 \\ \hline\end{array}$
$\begin{array}{r}12 \\ \times 7 \\ \hline\end{array}$
$\begin{array}{r}25 \\ \times \quad 2 \\ \hline\end{array}$
$\begin{array}{r}17 \\ \times \quad 4 \\ \hline\end{array}$
$\begin{array}{r}36 \\ \times 2 \\ \hline\end{array}$
$\begin{array}{r}18 \\ \times \quad 3 \\ \hline\end{array}$
$\begin{array}{r}24 \\ \times \quad 5 \\ \hline\end{array}$
72
24) $\times 9$

