

1. 2 digit x 1 digit - grid method

$$36 \times 4 =$$

x	30	6	
4	120	24	= 144



2. 2 digit x 1 digit - vertical with partitioning

$$36 \times 4 =$$

$$\begin{array}{r} 30 \times 4 = 120 \\ + 6 \times 4 = 24 \\ \hline 144 \end{array}$$



3. 2 digit x 1 digit - expanded column

$$12 \times 4 =$$

$$\begin{array}{r} 12 \\ \times 4 \\ \hline 8 \\ 40 \\ \hline 48 \end{array}$$



4. 2 digit x 1 digit - expanded and compact alongside

$$26 \times 4 =$$

$$\begin{array}{r} 26 \\ \times 4 \\ \hline 24 \\ 80 \\ \hline 104 \end{array}$$

$$\begin{array}{r} 26 \\ \times 4 \\ \hline 104 \\ 2 \end{array}$$



5. 2 digit x 2 digit - grid method

$$24 \times 16 =$$

x	20	4
10	200	40
6	120	24

$$\begin{array}{r} 200 \\ 40 \\ 120 \\ + 24 \\ \hline 384 \end{array}$$



6. 2 digit x 2 digit - expanded and compact alongside

$$24 \times 16 =$$

$$\begin{array}{r} 24 \\ \times 16 \\ \hline 24 \quad (6 \times 4) \\ 120 \quad (6 \times 20) \\ 40 \quad (10 \times 4) \\ 200 \quad (10 \times 20) \\ \hline 384 \end{array}$$

$$\begin{array}{r} 24 \\ \times 16 \\ \hline 384 \\ \hline 6 \end{array} \quad \begin{array}{l} (16 \times 4) \\ + (16 \times 20) \end{array}$$



7. 3 digit x 1 digit compact

$$226 \times 4 =$$

$$\begin{array}{r} 226 \\ \times 4 \\ \hline 904 \\ \hline 12 \end{array}$$



7. 3 digit x 1 digit compact

