

Multiplying a 4 digit number by a 2 Digit Number Using the Grid method

$$1342 \times 18 =$$

For a 4 digit number $\times$ 2 digit number create a grid 5 columns $\times$ 3 rows.

Partition the 4 digit number and record in the top boxes.

Partition the 2 digit number and record on the left.

$\times$	1000	300	40	2
10				
8				

Multiply the thousands, hundreds, tens and units by the tens and units.

Record like this-

X	1000	300	40	2
10	10000	3000	400	20
8	8000	2400	320	16

$$\begin{array}{r} 13,420 \\ + \underline{10,736} \\ \hline 24,156 \\ 1 \end{array}$$

Record the product in the multiplication number sentence.

$$1,342 \times 18 = 24,156$$