

Multiplying a 3 digit number by a 2 Digit Number Using the Grid method

$$182 \times 35 =$$

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

Partition the 3 digit number and record in the top boxes.

Partition the 2 digit number and record on the left.

$\times$	100	80	2
30			
5			

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

Record like this-

$\times$	100	80	2
30	3000	2400	60
5	500	400	10

$$\begin{array}{r} 5460 \\ + 910 \\ \hline 6370 \\ 1 \end{array}$$

Add the products from the hundreds, tens and the ones together.

$$5460 + 910 = 6370$$

Record the product in the multiplication number sentence.

$$182 \times 35 = 6370$$