

Year 3/4-Grid Method for Multiplication

2 digit number $\times$ 1 digit number

$$\begin{array}{r} 43 \\ 40 \quad 3 \end{array} \times 2 =$$

① Partition your 2 digit number and place your numbers in a grid like this.

	40	3	
2	80	6	= 86

2 lots of 40 in diennes

④ Add the tens and units to get a final answer

② Multiply the tens by the 1 digit number. Use diennes to show this is you need to. Or if you know $2 \times 4 = 8$, you know $2 \times 40 = 80$

③ Multiply your units by the 1 digit number. Use diennes to show this if you need to.

Another example $\rightarrow$ $\begin{array}{r} 54 \\ 50 \quad 4 \end{array} \times 3 =$

I know $3 \times 5 = 15$
I know $3 \times 50 = 150$

	50	4	
3			
	150	12	= 162

Checking with a division.

- ① Take your answer
- ② Divide it by the smallest factor (3)
- ③ Your answer should be the largest factor (54)

54		