

# Year 4 – grid method for multiplication

## Learning Reminders

Use partitioning to multiply 3-digit numbers by 1-digit numbers.

Let's revise the grid method for  $3 \times 134$ ...

Remember when multiplying - it doesn't matter which way around the numbers are:  $3 \times 134$  and  $134 \times 3$  will have the same answer!

1. **Partition 134**; write the numbers on the grid...

×	100	30	4	
3	300	90	12	402

2. What is  $100 \times 3$ ?

3.  $30 \times 3$ ?

4.  $4 \times 3$ ?

5. Finally add  $300 + 90 + 12$ .

### Mini task:

Using the above 'Learning Reminders', practise in your exercise books the following questions:

1)  $43 \times 3$

2)  $162 \times 4$

3)  $343 \times 5$

## Year 4 – grid method for multiplication

### Using the grid method

Use the grid method to solve these multiplications.

$$3 \times 47$$

$$4 \times 492$$

$$147 \times 3$$

$$123 \times 5$$

$$3 \times 291$$

$$5 \times 181$$

$$522 \times 4$$

$$6 \times 115$$

$$4 \times 285$$

$$313 \times 8$$

### Multiplying three-digit numbers

Use the grid method to solve these multiplications.

$$3 \times 224$$

$$5 \times 549$$

$$3 \times 347$$

$$6 \times 215$$

$$513 \times 4$$

$$363 \times 8$$

$$4 \times 488$$

$$8 \times 428$$

$$623 \times 5$$

$$9 \times 314$$

#### Challenge

Find the missing number in this calculation:

$$63\boxed{\phantom{0}} \times 6 = \boxed{\phantom{0}}822$$