Multiplication

Method

We would recommend the **grid method** for multiplying numbers.

The **grid method** is a visual way of multiplying two numbers.
Each digit in the number is divided into its place value column.

For example, calculate 37 x 58:

37 is split into 30 (3 tens) plus 7 (7 units) and 58 is split into 50 (5 tens) plus 8 (8 units).

×	30 (3 tens)	7 (7 units)
50 (5 tens)	50 × 30 = 1500	50 × 7 = 350
8 (8 units)	8 × 30 = 240	8 × 7 = 56

Then you add up the partial products:

```
 1500
  350
  240
+  56
 2146
 1 1
```
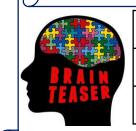
Other words that mean multiplication:

Multiply	Groups of
Times	Of
Product	By
Lots of	Per

Top Tips

1. Draw your grid nice and big so there is plenty of space to write in your answers.

2. When you are adding up the partial products ensure the numbers are correctly lined up underneath each other.

JOKE ALERT

Teacher: Why are you doing your multiplication on the floor?

Student: You told me not to use tables.

BRAIN TEASER

Fill in the gaps!

×		
	4800	320
		28

= 5568

REAL LIFE

Times means multiply the numbers.

2303 people visited the zoo in November.
In June, **3** times as many people visited.
How many people visited the zoo altogether in June?

×	2000	300	3
3	6000	900	9

Write the numbers underneath each other to add them up.

```
 6000
  900
+   9
 6909
```