

Multiplication shortcuts

When multiplying by 10, 100 and 1,000 there's a **pattern** that can help you get the right answer very quickly. This method moves the decimal point rather than the digits.

Multiplying number	Number of places to move the decimal point
10	1
100	2
1,000	3
10,000	4

The zeros in the multiplying number tell you how many places to move the decimal point. Remember you're making the number **bigger**.

Make sure you move the digits (or the decimal point) in the correct direction!

When multiplying by 10, 100, 1,000 etc count the zeros to find out how much bigger your number must be.

Example

Multiply 2.341 by 100:

100 has **two** zeros. Make 2.341 **bigger** by moving the decimal point **two** places.

$$2.341 \times 100 = 234.1$$
