

Division shortcuts

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

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

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

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

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

Example

Divide 761.2 by 10.

10 has **one** zero. Make 761.2 **smaller** by moving the decimal point **one** place.

$$761.2 \div 10 = 76.12$$
