



Eleven Plus Maths How To Do - Multiply Decimal Numbers

Example: 3.27×2.1

- (i) Ignore the decimal point and set the sum out as for long multiplication.

$$\begin{array}{r} 327 \\ \times 21 \\ \hline 6540 \\ \underline{327} \\ 6867 \end{array} \quad \text{or} \quad \begin{array}{r} 327 \\ \times 21 \\ \hline 327 \\ \underline{6540} \\ 6867 \end{array}$$

- (ii) Count the number of figures that come after the decimal point in both figures you are multiplying.

3.27 has 2 decimal figures
2.1 has 1 decimal figure

There is a total of 3 decimal figures.

- (iii) The answer to the multiplication must have the same number of figures after the decimal point. In this example three figures. Count three from the right of your answer and on the line below write the answer.

6867 becomes 6.867 in the answer.