

Fast 5

$45854 - 5463$

$78523 + 58684$

$20\% \text{ of } 400$

756×48

12×9

Fast 5

$$45854 - 5463 = 40391$$

$$78523 + 58684 = 137207$$

$$20\% \text{ of } 400 = 80$$

$$756 \times 48 = 36288$$

$$12 \times 9 = 108$$

Can I multiply by numbers
with decimal places?

We know that when we multiply numbers together using column multiplication, we need to make sure that we are able to lay the question out correctly to ensure that we get the right answer.

$$\begin{array}{r} 36 \\ \underline{\quad} 8 \times \\ 288 \\ 24 \end{array}$$

$$\begin{array}{r}
 3.6 \\
 8.8 \times \\
 \hline
 28.8 \\
 24
 \end{array}$$

When we multiply a number which goes to 1 or 2 decimal places, the process is very similar: we just need to make sure that we are still laying the problem out in the correct way. Make sure the decimal point is in the same place throughout the entire calculation

$$\begin{array}{r} 3.67 \\ \times 8.36 \\ \hline 2936 \\ 255 \end{array}$$

The same goes for when we are multiplying by a number that goes to two decimal places

$$\begin{array}{r}
 3.67 \\
 18. \quad \times \\
 \hline
 2936 \\
 255 \\
 \hline
 3670 + \\
 \hline
 66.06
 \end{array}$$

When we have to multiply a number that goes to 2 decimal places by a number with 2 digits, the process is very similar to normal column multiplication.

We just need to make sure the decimal point is in the same place consistently.