

Fast 5

$$63259 + 5261$$

$$861 \times 28$$

$$20\% \text{ of } 4630$$

$$\text{One third of } 330$$

$$5/8 \text{ of } 40$$

$$63259 + 5261 = 68250$$

$$861 \times 28 = 24108$$

$$20\% \text{ of } 4630 = 926$$

$$\text{One third of } 330 = 110$$

$$5/8 \text{ of } 40 = 25$$

Can I solve missing
number problems?

When we're subtracting numbers, we know that we can always use the column method to find the answer.

$$\begin{array}{r} 876 \\ 251 - \\ \hline 625 \end{array}$$

What can we do though, when there's a missing digit (or digits) but we are given the answer?

$$\begin{array}{r} _ 8 2 \\ 1 4 1 - \\ \hline 8 4 1 \end{array}$$

As we know we don't need to exchange using our missing number, we can work out that $_ - 1 = 8$ must give us a missing number of **9**

$$\begin{array}{r} 982 \\ - 141 \\ \hline 841 \end{array}$$

What if we have to do an extra step, because we've had to exchange?

$$\begin{array}{r} 9 _ 8 \\ 174 - \\ \hline 794 \end{array}$$

We have a missing number here, but there are several clues around it which let us know what it might be. We can see in the hundreds column that we have $9-1=7$, which cannot be correct unless we exchange somewhere.

$$\begin{array}{r}
 81 \\
 \cancel{9}68 \\
 \hline
 174 - \\
 \hline
 794
 \end{array}$$

We know that $8-4=4$, so we can answer that quickly.

Next, we have $_+7=9$. We know that the missing number must be 16, so we'll put the 6 in place for now.

After that, we know we'll have to exchange a 1 from our 9 to our 6 to make 16, which leaves us with $8-1=7$

We can take this even further by going up to the year 6 expectation for subtraction.

$$\begin{array}{r} 4 _ 2 _ 8 \\ 2694 - \\ \hline _ 857 _ \end{array}$$

This might look a lot more complex, but it's just an extension of what we've already looked at.

If we remember to exchange where our answers would otherwise be less than 0, as well as moving 1 from the next column, we can systematically solve any subtraction problem

$$\begin{array}{r} 3 1 1 1 \\ \cancel{4} \cancel{1} \cancel{2} 6 8 \\ 2 6 9 4 - \\ \hline 3 8 5 7 4 \end{array}$$