

Can you work out the missing numbers using the clues?

$$\begin{array}{r} \square \square \square \square \\ \times \qquad \qquad \square 5 \\ \hline \square \square \square \square \square \\ \hline \end{array}$$

Let's read through these clues. The aim is to complete the missing number cards.

- The 4 digits being multiplied by **5** are consecutive numbers.
- The first 2 digits of the answer are the same.
- The 4th and 5th digits in the answer add to make the 3rd.

The first clue is that the numbers being multiplied by 5 are all consecutive. So the first thing we need to do is write out the different potential number combinations.

Now we need to attempt the different combinations to see if we get the an answer that fits with the other two clues.

$$\begin{array}{r} 1234 \\ \times \quad \quad 5 \\ \hline \square 5170 \\ \hline \end{array}$$

1 2

Let's see if this matches the other clues we have.

$$\begin{array}{r}
 \boxed{1} \boxed{2} \boxed{3} \boxed{4} \\
 \times \boxed{5} \\
 \hline
 \boxed{} \boxed{5} \boxed{1} \boxed{7} \boxed{0} \\
 \hline
 1 2
 \end{array}$$

The first 2 digits of the answer are the same.

The 4th and 5th digits in the answer add to make the 3rd.

Does this work?

Your first challenge is to figure out the solution to that problem.

Please use the method that you have been using this week. If you find the compact method hard then use the expanded method and place the final answer in the answer section of the problem.

Once you have solved this please explain your thinking and method.

Firstly I read through each clue and worked out what I had to do. I knew that consecutive means ___ so I then _____.

After that, I _____

Please explain each step in your process.

Take a look at this problem. Who is correct, please explain it in words.

_____ is correct because _____

Joe has answered 47×36



$$\begin{array}{r} 47 \\ \times 36 \\ \hline 282 \\ 4 \\ 141 \\ 2 \\ \hline 323 \end{array}$$

Alice says:



The answer should be 1,692, not 323

Who is correct?
Explain how you know.