

Mollie T

$$\begin{array}{rcccc} & 7 & & 0 & \\ & 3 & \square & \square & 4 \\ & 15 & & 1 & \end{array}$$

First, I add all the exterior numbers, which = 30.
Then, after some other tries on the website, I figured out that the exterior number total must be 3 times the interior number total. Therefore, in this example, I divided 30 by 3, which = 10.

$$\begin{array}{rcccc} & 7 & & 0 & \\ 25 \{ & 3 & \square & \square & 4 \} 5 \\ & 15 & & 1 & \end{array}$$

My next step is to add the total of either sides, receiving a 25 and a 5. I tried 25:

$$25 + 3 = 28$$

$$25 + 7 = 32$$

These are the only possible solutions for 25 to add a number less or equal to 10 to be divisible by 4. I tried both out:

$$\begin{array}{r} 70 \checkmark \\ 3 \underline{13} 4 \\ 15 \ 1 \end{array}$$

$$\begin{array}{r} 70 \times \\ 3 \ 8 \ 7 \ 4 \\ 15 \ 1 \end{array}$$

→ This isn't correct because it doesn't add to 10 and the other equation don't make sense.

I then used the other one, which is 5, to check my solution:

$$5+3=8$$

$$5+7=12$$

I tried both of them, but:

$$\begin{array}{r} 700 * \\ 3 \overline{) 3324} \\ \underline{15} \\ 11 \end{array}$$

$$\begin{array}{r} 70 \checkmark \\ 3 \overline{) 734} \\ \underline{15} \\ 1 \end{array}$$

This doesn't work because firstly, it doesn't add to ten and secondly, the other equation doesn't make sense.

Finally, my answer is 7 and 3.

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