

Name: Class:

Missing digits addition: up to 3-digits



Find the missing digits from the following expressions.

a.

$$\begin{array}{r} 456 \\ + 1_2 \\ \hline _28 \end{array}$$

b.

$$\begin{array}{r} 3_2 \\ + _9_ \\ \hline 958 \end{array}$$

c.

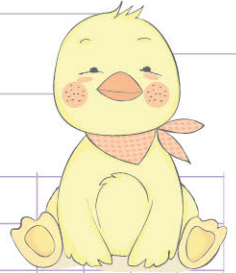
$$\begin{array}{r} _61 \\ + 3_2 \\ \hline 1,003 \end{array}$$

d.

$$\begin{array}{r} 59_ \\ + _23 \\ \hline 1,318 \end{array}$$

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Find the missing digits from the following expressions.

<p>a.</p> $\begin{array}{r} 456 \\ + 1_2 \\ \hline _28 \end{array}$ <p>First of all, let's start adding from the ones digit until we get to the missing digits</p>	$\begin{array}{r} 456 \\ + 172 \\ \hline _28 \end{array}$ <p>Now, let's think of a number that when we add to 5 will make the answer end with 2. we know that $7 + 5 = 12$</p>	$\begin{array}{r} 456 \\ + 172 \\ \hline 628 \end{array}$ <p>Finally, $4 + 1 = 5$, plus the carry over from the tens place $5 + 1 = 6$. Therefore, the missing digits are 7 and 6 respectively.</p>
<p>b.</p> $\begin{array}{r} 3_2 \\ + _96 \\ \hline 958 \end{array}$ <p>As we begin from the ones place, let's think of a number that when we add to 2, will make the answer end with 8. We know that $2 + 6 = 8$. Now, let's move to the next place value.</p>	<p>Let's think of a number that when we add to 9 will make the answer end with 5. We know that, $6 + 9 = 15$.</p> $\begin{array}{r} 362 \\ + _96 \\ \hline 958 \end{array}$ <p>Finally, let's think of a number that when we add to 3 plus the carried over (1) from the tens column we'll get 9.</p>	<p>We know that, $3 + 5 + 1$ (carry over) = 9</p> $\begin{array}{r} 362 \\ + 596 \\ \hline 958 \end{array}$ <p>So, the missing digits are 6, 6 and 5 respectively.</p>
<p>c.</p> $\begin{array}{r} _61 \\ + 3_2 \\ \hline 1,003 \end{array} \rightarrow \begin{array}{r} 661 \\ + 342 \\ \hline 1,003 \end{array}$	<p>d.</p> $\begin{array}{r} 59_ \\ + _23 \\ \hline 1,318 \end{array} \rightarrow \begin{array}{r} 595 \\ + 723 \\ \hline 1,318 \end{array}$	