

Complete these reasoning and problem-solving questions on addition.

<p>4. 950 tickets are being sold for a football match.</p> <p>On the first day 269 are sold. On the second day 470 are sold. On the third day 210 are sold.</p> <p>Jason thinks that all the tickets have now been sold. Is he correct? Explain your answer.</p>	<p>8. Complete the missing numbers for the top row of the column addition.</p> <div style="text-align: center; margin: 10px 0;"> <table style="margin: auto;"> <tr> <td style="border: 1px solid black; width: 30px; height: 30px;"></td> <td style="border: 1px solid black; width: 30px; height: 30px;"></td> <td style="border: 1px solid black; width: 30px; height: 30px;"></td> </tr> </table> $\begin{array}{r} + \quad 4 \quad 5 \quad 9 \\ \underline{1 \quad 1} \\ 8 \quad 3 \quad 6 \\ \hline \end{array}$ </div>			

<p>2. A box holds 760 pencils.</p> <p>Andrew says,</p> <div style="display: flex; align-items: center; margin: 10px 0;"> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>369 pencils are already in the box. 390 pencils are added. That means the box is full.</p> </div> </div> <p>Is he correct? Explain your answer.</p>	<p>6. Two children completed the following calculation: $466 + 485$</p> <div style="display: flex; justify-content: space-between; align-items: center; margin: 10px 0;"> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>My answer is 841</p> </div> <p>Sophie</p> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin: 10px 0;"> <p>Dan</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>My answer is 851</p> </div> </div> <p>Both of them have made mistakes. Calculate what the answer should have been. What mistakes did they make?</p>
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<p>1. Dan and Lisa have both completed a column addition for the following sum: $4658 + 3543$</p> <div style="display: flex; justify-content: space-around; margin: 10px 0;"> <div style="text-align: center;"> <p><u>Dan</u></p> $\begin{array}{r} 4 \quad 6 \quad 5 \quad 8 \\ + \quad 3 \quad 5 \quad 4 \quad 3 \\ \hline 1 \quad 1 \quad 1 \quad 5 \end{array}$ </div> <div style="text-align: center;"> <p><u>Lisa</u></p> $\begin{array}{r} 4 \quad 6 \quad 5 \quad 8 \\ + \quad 1 \quad 3 \quad 1 \quad 5 \quad 1 \quad 4 \quad 3 \\ \hline 8 \quad 2 \quad 0 \quad 1 \end{array}$ </div> </div> <p>Who has done it correctly? Explain the mistake the other person has made.</p>	<p>5. Two children completed the following calculation: $6968 + 2671$</p> <div style="display: flex; justify-content: space-between; align-items: center; margin: 10px 0;"> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>My answer is 8639.</p> </div> <p>Dan</p> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin: 10px 0;"> <p>Sophie</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>My answer is 9639.</p> </div> </div> <p>Who's answer is correct? Explain the mistake the other child has made.</p>
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