

Reasoning and Problem Solving

Here is a number sentence.

$$350 + 278 + 250$$

Add the numbers in different orders to find the answer.

Is one order of adding easier? Why?

Create a rule when adding more than one number of what to look for in a number.

In the number square below, each horizontal row and vertical column adds up to 1,200

Find the missing numbers.

Is there more than one option?

897		
		832
	762	

Check the rows and columns using the inverse and adding the numbers in different orders.

I completed an addition and then used the inverse to check my calculation.

When I checked my calculation, the answer was 3,800

One of the other numbers was 5,200

What could the calculation be?

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} - \underline{\quad} = 3,800$$

Reasoning and Problem Solving Answers

<p>Here is a number sentence.</p> <p>350 + 278 + 250</p> <p>Add the numbers in different orders to find the answer.</p> <p>Is one order of adding easier? Why?</p> <p>Create a rule when adding more than one number of what to look for in a number.</p>	<p>It is easier to add 350 and 250 to make 600 and then add on 278 to make 878.</p> <p>We can look for making number bonds to 10, 100 or 1,000 to make a calculation easier.</p>
<p>I completed an addition and then used the inverse to check my calculation.</p> <p>When I checked my calculation, the answer was 3,800</p> <p>One of the other numbers was 5,200</p> <p>What could the calculation be?</p> <p>___ + ___ = ___</p> <p>___ - ___ = 3,800</p>	<p>Possible answers:</p> <p>5,200 – 1,400 = 3,800</p> <p>9,000 – 5,200 = 3,800</p>

<p>In the number square below, each horizontal row and vertical column adds up to 1,200</p> <p>Find the missing numbers.</p> <p>Is there more than one option?</p> <table><tr><td>897</td><td></td><td></td></tr><tr><td></td><td></td><td>832</td></tr><tr><td></td><td>762</td><td></td></tr></table> <p>Check the rows and columns using the inverse and adding the numbers in different orders.</p>	897					832		762		<p>There are many correct answers.</p> <p>Top row missing boxes need to total 303</p> <p>Middle row total 368</p> <p>Bottom row total 438</p> <table><tr><td>897</td><td>270</td><td>33</td></tr><tr><td>200</td><td>168</td><td>832</td></tr><tr><td>103</td><td>762</td><td>335</td></tr></table>	897	270	33	200	168	832	103	762	335
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