Inverse operations (addition and subtraction)

1 Ron wants to check this addition calculation.

320 + 719 = 1,039

Which subtractions can be used to check Ron's addition?

1,039 – 719 **320 – 1,039** **719 – 320** **1,039 – 320**

2 Dora wants to check this subtraction calculation.

4,096 – 2,356 = 1,740

Which addition can be used to check Dora's subtraction?

4,096 + 2,356 **4,096 + 1,740** **1,740 + 2,356** **1,740 + 4,096**

3 Use an inverse operation to check these calculations.

a)

		1	3	6	0
	+	2	9	7	3
		4	3	3	3

b)

		8	2	6	4
	–	3	1	4	2
		5	1	2	2

4 Tommy works out 12,350 + 7,903 incorrectly.

	1	2	3	5	0
+	7	9	0	3	
	9	1	3	8	0

Tommy checks his calculation using the same addition.

Is this a good idea? Talk about it with a partner.

What calculation should he do? Correct Tommy's answer.

5 Match the inverse calculations.

2,482 + 6,428 = 8,912	5,271 + 4,212 = 9,483
5,984 – 3,172 = 2,812	8,912 – 6,428 = 2,482
9,483 – 5,271 = 4,212	8,912 – 5,271 = 3,641
8,912 = 3,641 + 5,271	5,984 = 3,172 + 2,812

6 Complete the calculations.

Use inverse operations to check your answers.

a) 763 + 4,072

b) 8,711 – 1,053

c) 2,351 + 14,706

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4 Tommy works out 12,350 + 7,903 incorrectly.

$$\begin{array}{r} 12350 \\ +\ 7903 \\ \hline 91380 \\ \hline \end{array}$$

Tommy checks his calculation using the same addition.

Is this a good idea? Talk about it with a partner.

What calculation should he do? Correct Tommy's answer.

5 Match the inverse calculations.

2,482 + 6,428 = 8,912	5,271 + 4,212 = 9,483
5,984 – 3,172 = 2,812	8,912 – 6,428 = 2,482
9,483 – 5,271 = 4,212	8,912 – 5,271 = 3,641
8,912 = 3,641 + 5,271	5,984 = 3,172 + 2,812

6 Complete the calculations.

Use inverse operations to check your answers.

a) 763 + 4,072

b) 8,711 – 1,053

c) 2,351 + 14,706

7 Alex thinks of a number.

What number did Alex start with?

8 Here is a bar model.

Think of two different ways that you can find the missing part.

What is the missing part?

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