

## Inverse operations (addition and subtraction)

- 1 Ron wants to check this addition calculation.

$$320 + 719 = 1,039$$

Circle the subtractions that 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.

$$4,096 - 2,356 = 1,740$$

Circle the addition that 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.

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

Tommy checks his calculation using the same addition.  
Is this a good idea? Talk about it with a partner.



4

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)  $763 + 4,072 =$






6

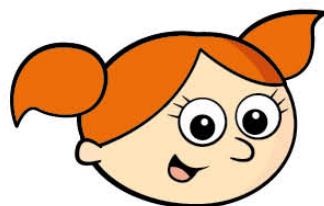
b)  $8,711 - 1,053 =$


c)  $2,351 + 14,706 =$




7

Alex thinks of a number.

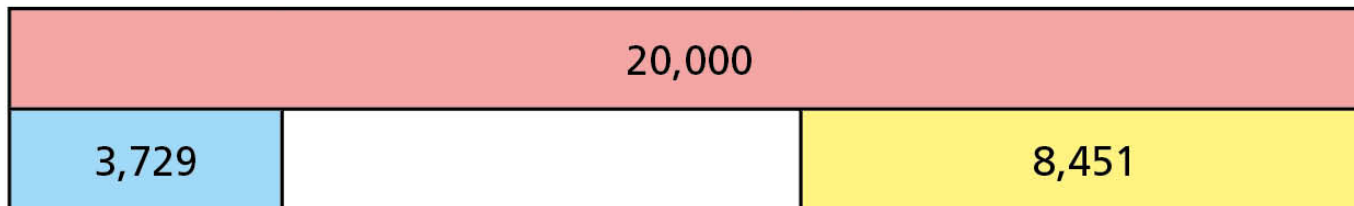


When I add  
4,550 to my number  
I get 7,460

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?