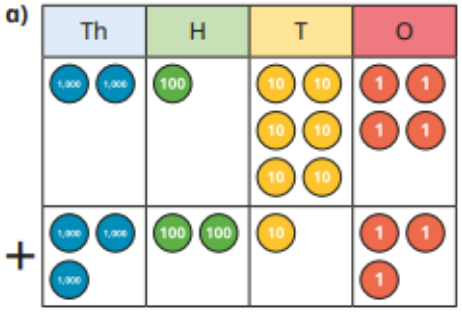
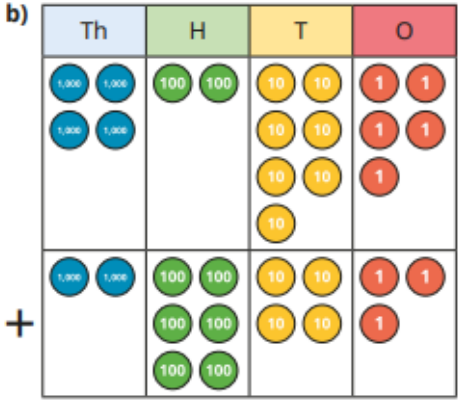
1 Complete the calculations.

a)



	2	1	6	4
+	3	2	1	3

b)



	4	2	7	5
+	2	6	4	3

2 Complete the column additions.

	7	4	3	5	
+	2	4	5	6	

	7	4	3	5	
+	2	4	6	6	

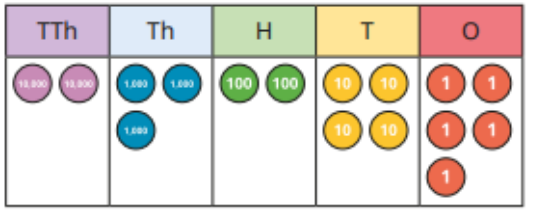
	7	4	3	5	
+	2	5	6	6	

	7	4	3	5	
+	3	5	6	6	

What do you notice about each addition?

What stays the same? What changes?

3 Complete the additions. Use the place value chart to help you.



a) 23,245 + 14,323 = ☐

b) 23,245 + 14,328 = ☐

c) 23,245 + 14,846 = ☐

d) ☐ + 23,245 = 35,490

4 Use the column method to work out the additions.

a) £36,000 + £19,420

b) 40,720 g + 6,872 g

c) 843 cm + 15,611 cm

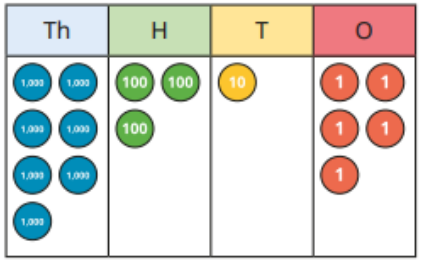
d) £17,320 + £6,009 + £34,871

5 The table shows the number of home and away fans attending three football matches.

Match	Home fans	Away fans
1	53,640	12,930
2	42,630	18,340
3	35,480	32,490

Which match had the greatest total attendance?

1



Complete the subtractions.

a)

		7	3	1	5	
	–	2	1	0	4	

b)

		7	3	1	5	
	–	3	2	4	1	

c)

		7	3	1	5	
	–	5	4	2	0	

d)

		7	3	1	5	
	–		8	4	2	

2 Complete the calculations.

a)

		8	4	3	4	
	–	2	1	0	4	

b)

		£	8	8	2	0	0	
	–	£		6	1	0	0	

c)

		4	6	8	3	2	
	–	1	9	0	2	4	

d)

		3	4	5	2	0	g	
	–			6	7	9	g	

3 A family has £22,658 in the bank.

They spend £3,600 on a holiday.

How much money do they have left?

4 It is 10,553 miles from London to Sydney.

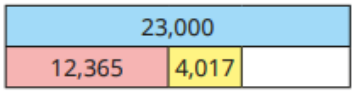
It is 9,929 miles from New York to Sydney.

How much further away is Sydney from London than from New York?

5 Complete the models.

a)

b)



6 Mr Hall has written these subtractions on the board.

45,541 – 25,865

Rosie's workings

	2	5	8	6	5
–	4	5	5	4	1
	2	0	3	2	4

68,945 – 34,758

Amir's workings

	6	8	9	4	5
–	3	4	7	5	8
	3	4	2	1	3

Explain the mistakes that Rosie and Amir have made.

1 Ron wants to check this addition calculation.

320 + 719 = 1,039

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

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

2 Dora wants to check this subtraction calculation.

4,096 – 2,356 = 1,740

Which of the additions can be used to check Dora's subtraction?

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

Use an inverse operation to show that Tommy is incorrect.

Correct Tommy's answer.

5 Match the inverse calculations.

2,482 + 6,428 = 8,910	5,271 + 4,212 = 9,483
5,984 – 3,172 = 2,812	8,910 – 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.

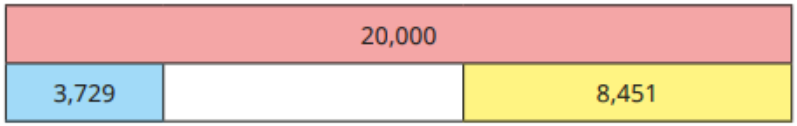
a) 763 + 4,072 **b)** 8,711 – 1,053 **c)** 2,351 + 14,706

7 Alex thinks of a number.

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 to find the missing part.

What is the missing part?