Add two 4-digit numbers – more than one exchange

1 Complete the calculation.

Th	H	T	O
1,000 1,000	100	10 10 10 10 10	1 1 1 1
1,000 1,000 1,000	100 100 100 100	10 10 10 10	1 1 1 1 1 1

+

		Th	H	T	O	
		2	1	7	6	
	+	3	4	5	8	
		5	6	3	4	
			1	1		

2 Who has got each question correct? Tick your answer.

a) Nijah

		H	T	O	
		4	4	5	
	+	3	4	8	
		78	1	3	

Scott ✓

		H	T	O	
		4	4	5	
	+	3	4	8	
		7	9	3	
			1		

b) Nijah

		Th	H	T	O	
		4	8	2	6	
	+	1	7	8		
		6	6	0	6	
		1	1			

Scott ✓

		Th	H	T	O	
		4	8	2	6	
	+		1	7	8	
		5	0	0	4	
		1	1	1		

What mistake has the other person made in each calculation?

Talk about it with a partner.

3 Complete the additions.

a)

		Th	H	T	O	
		4	7	1	2	
	+	3	4	9	2	
		8	2	0	4	
		1	1			

b)

		Th	H	T	O	
		6	0	7	5	
	+		9	4	8	
		7	0	2	3	
		1	1	1		

c) 3,784 + 2,526

	3	7	8	4		
+	2	5	2	6		
	6	3	1	0		
	1	1	1			

d) 79 + 654 + 1,312

			7	9		
		6	5	4		
+	1	3	1	2		
	2	0	4	5		
	1	1	1			

4 Write each calculation in the correct column.

712 + 394	1,312 + 2,527	2,350 + 3,760
1,995 + 712	3,044 + 2,372	17 + 953

No exchange needed	1 exchange	More than one exchange
1,312 + 2,527	3,044 + 2,372 17 + 953	712 + 394 2,350 + 3,760 1,995 + 712

Write one more calculation of your own in each column.

5 Dexter is playing a computer game.

The table shows the number of points he gets in each round.

Round	1	2	3
Number of points	3,550	2,175	1,895

a) How many points does Dexter have at the end of Round 2?

5,725

b) He needs 8,000 by the end of Round 3 to win the game.

Does Dexter win the game? No

Show your working.

$$\begin{array}{r} 5725 \\ +\ 1895 \\ \hline 7620 \\ \hline 111 \end{array}$$

He was 380 points short.

6 Work out the missing digits.

a)

	Th	H	T	O
	3	7	3	9
+	3	1	8	6
	6	9	2	5
		1	1	

b)

	Th	H	T	O
	3	2	8	1
+		9	8	7
	4	2	6	8
	1	1		

c) Find two possible answers.

	Th	H	T	O
	2	3	1	5
+	3	8	6	7
	6	1	8	2
	1		1	

	Th	H	T	O
	2	9	1	4
+	3	2	6	8
	6	1	8	2
	1		1	

How did you work this out? Talk about it with a partner.

Are there any more answers?