

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 10 10	1 1 1 1 1 1
+			
1,000 1,000 1,000	100 100 100 100	10 10 10 10 10	1 1 1 1 1 1 1 1

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

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
		6	0	7	5
	+		9	4	8

b)

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

c) 3,784 + 2,526

d) 79 + 654 + 1,312

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	One exchange	More than one exchange

Write one more calculation of your own in each column.

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3 Complete the additions.

a)

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

b)

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

c) $3,784 + 2,526$

d) $79 + 654 + 1,312$

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	One exchange	More than one exchange

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?

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

Does Dexter win the game?

Show your workings.

6 Work out the missing digits.

a)

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

b)

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

c) Find two possible answers.

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

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

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

Are there any more answers?