

Add whole numbers with more than 4 digits (column method)

1 Complete the calculations.

a)

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

		2	1	6	4
	+	3	2	1	3

b)

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

		4	2	7	5
	+	2	6	4	3

2 Complete the column additions.

		7	4	3	5			7	4	3	5	
	+	2	4	5	6			+	2	4	6	6

		7	4	3	5			7	4	3	5
	+	2	5	6	6			+	3	5	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.

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

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

c) $843 \text{ cm} + 15,611 \text{ cm}$

[illegible]

b) 40,720 g + 6,872 g

d) £17,320 + £6,009 + £34,871

[illegible]

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?

6 Complete the additions.

a)

			4		1
	+	2		8	
					4
		8	9	9	2
					6

b)

			4		9		
	+	2		8		4	
		8	9	9	2	6	

7 Complete the additions.

a) $735 + \square = 1,000$

b) $1,026 + \boxed{} = 10,000$

c) + 872 = 10,000

8 Mr Hall has written these additions on the board.

$$324,846 + 12,475$$

$$17,654 + 2,935$$

Dexter's workings

$$\begin{array}{r} 324846 \\ + \quad 12475 \\ \hline 336211 \\ \hline \end{array}$$

Eva's workings

$$\begin{array}{r} 17654 \\ + 2935 \\ \hline 47004 \\ \hline 111 \end{array}$$

Explain the mistakes that Dexter and Eva have made.