

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	10	1 1
	100 100		1

		2	1	6	4
		+	3	2	1
			5	3	7

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	10 10	1 1
	100 100	10 10	1
	100 100		
	100 100		

		4	2	7	5
		+	2	6	4
			6	9	1

2 Complete the column additions.

		7	4	3	5			7	4
		+	2	4	5	6		+	2
			9	8	9	1			9

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

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) $23,245 + 14,323 = 37,568$

b) $23,245 + 14,328 = 37,573$

c) $23,245 + 14,846 = 38,091$

d) $12,245 + 23,245 = 35,490$

4 Use the column method to work out the additions.

a) £36,000 + £19,420

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

c) 843 cm + 15,611 cm

		1	5	6	1	1	cm												
				8	4	3	cm												
		1	6	4	5	4	cm												

b) 40,720 g + 6,872 g

		4	0	7	2	0	g												
			6	8	7	2	g												
		4	7	5	9	2	g												

d) £17,320 + £6,009 + £34,871

	£	1	7	3	2	0													
	£		6	0	0	9													
+	£	3	4	8	7	1													
	£	5	8	2	0	0													

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?

3

6 Complete the additions.

a)

b)

7 Complete the additions.

a) 735 + 265 = 1,000

b) 1,026 + 8,974 = 10,000

c) 9,128 + 872 = 10,000

8 Mr Hall has written these additions on the board.

324,846 + 12,475

17,654 + 2,935

Dexter's workings

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

Eva's workings

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

Explain the mistakes that Dexter and Eva have made.

