Add whole numbers with more than four digits

White Rose MATHS

1 Complete the calculations.

a)

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

		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.

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

a) 23,245 + 14,323 = ☐

b) 23,245 + 14,328 = ☐

c) 23,245 + 14,846 = ☐

d) ☐ + 23,245 = 35,490

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4 Use the column method to work out the additions.

a) £36,000 + £19,420

c) 843 cm + 15,611 cm

b) 40,720 g + 6,872 g

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?

match ☐

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 + ☐ = 1,000

b) 1,026 + ☐ = 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

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

Eva's workings

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

Explain the mistakes that Dexter and Eva have made.

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