

Watch the video Add whole numbers with more than 4 digits (column method) at

<https://whiterosemaths.com/homelearning/year-6/week-3/>

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

1 Complete the calculations.

a)

		2	1	6	4	
	+	3	2	1	3	

b)

		4	2	7	5	
	+	2	6	4	3	



2 Complete the column additions.

What do you notice about each addition?

What stays the same?  
What changes?

		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



3 Complete the additions. Use the place value chart to help you.

TTh	Th	H	T	O

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

b)  $40,720 \text{ g} + 6,872 \text{ g}$

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?

- 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)  $1,026 + \square = 10,000$

c)  $\square + 872 = 10,000$

- 8 Mr Hall has written these additions on the board.

$324,846 + 12,475$

Dexter's workings

	3	2	4	8	4	6
+		1	2	4	7	5
	<hr/>					
	3	3	6	2	1	1
	<hr/>					
			1	1	1	

$17,654 + 2,935$

Eva's workings

	1	7	6	5	4
+		2	9	3	5
	<hr/>				
	4	7	0	0	4
	<hr/>				
		1	1	1	

Explain the mistakes that Dexter and Eva have made.

