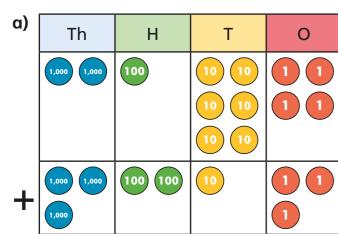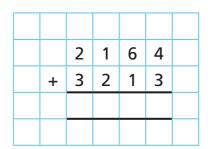# Add whole numbers with more than 4 digits (column method)
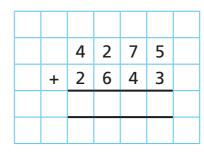
1 Complete the calculations.
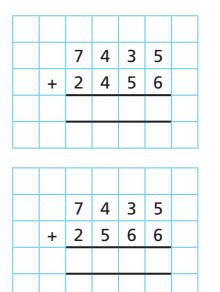
a)

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

+

Th	H	T	O
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

+

Th	H	T	O
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?

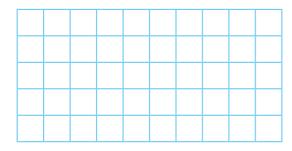**3** Complete the additions. Use the place value chart to help you.

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

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?

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.