Add two 4-digit numbers – one exchange

1 Work out the additions.

Use a place value chart to help you.

a) 3,117 + 2,542 **b)** 3,117 + 2,544

c) What do you notice about the calculations in part a) and part b)?

Which did you find easier and why?

d) What happens when you have more than 10 counters in one column?

2 Work out the additions.

a) 4,365 + 2,617 **c)** 6,792 + 163

b) 1,907 + 5,068 **d)** 3,247 + 1,930

3 Complete the calculations.

a)

		Th	H	T	O		
		5	1	6	3		
	+	2	4	5	1		

b)

		Th	H	T	O		
		7	2	6	1		
	+	1	0	2	9		

c)

		Th	H	T	O		
			7	0	3		
	+	2	5	8	0		

d)

		Th	H	T	O		
		3	5	0	8		
	+	2	7	3	1		

4 Four children have calculated 4,635 + 183

Rosie's method

		Th	H	T	O		
		4	6	3	5		
	+		1	8	3		
		4	7	11	8		

4,635 + 183 = 47,118

Jack's method

		Th	H	T	O		
		4	6	3	5		
	+		1	8	3		
		4	7	1	8		

4,635 + 183 = 4,718

Alex's method

		Th	H	T	O		
		4	6	3	5		
	+		1	8	3		
		4	8	1	8		
			1				

4,635 + 183 = 4,818

Teddy's method

		Th	H	T	O		
		4	6	3	5		
	+	1	8	3			
		6	4	6	5		
		1					

4,635 + 183 = 6,465

Whose method is correct?

Talk about the mistakes the other children have made.

Add two 4-digit numbers – one exchange

c)

	Th	H	T	O
		7	0	3
+	2	5	8	0

d)

	Th	H	T	O
	3	5	0	8
+	2	7	3	1

4 Four children have calculated 4,635 + 183

Rosie's method

	Th	H	T	O
	4	6	3	5
+		1	8	3
	4	7	11	8

4,635 + 183 = 47,118

Jack's method

	Th	H	T	O
	4	6	3	5
+		1	8	3
	4	7	1	8

4,635 + 183 = 4,718

Alex's method

	Th	H	T	O
	4	6	3	5
+		1	8	3
	4	8	1	8
		1		

4,635 + 183 = 4,818

Teddy's method

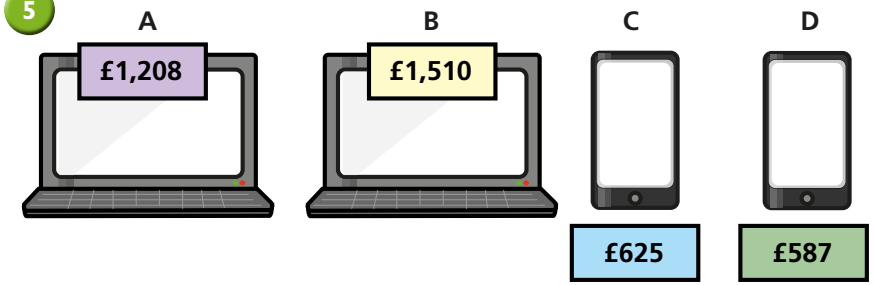
	Th	H	T	O
	4	6	3	5
+	1	8	3	
	6	4	6	5
	1			

4,635 + 183 = 6,465

Whose method is correct?

Talk about the mistakes the other children have made.

5



Mr Robson has £2,100 to spend on a mobile phone and a laptop.

What combinations of laptops and phones can he afford to buy?

6 Fill in the missing digits.

a)

	Th	H	T	O
	3		2	
+		4		6
	8	7	9	1

b)

	Th	H	T	O
+	3	8	2	1
	8	7	9	1