1 Work out the calculations.

Use a place value charts 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 ten counters in one column?

2 Work out the additions.

a) 4,365 + 2,617

b) 1,907 + 5,068

c) 6,792 + 163

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 are working out 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

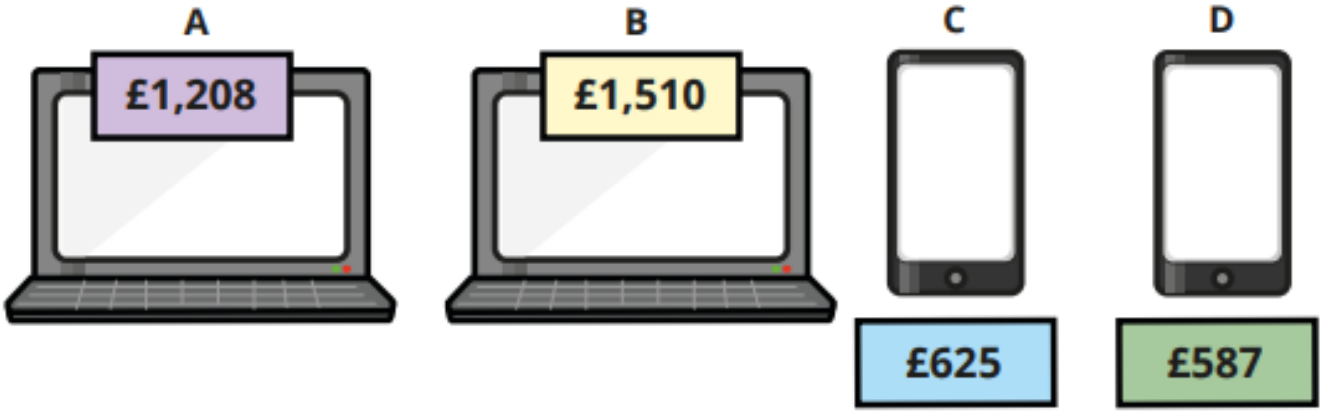
		Th	H	T	O		
		4	6	3	5		
	+	1	8	3			
		6	4	6	5		
		1					

4,635 + 183 = 6,465

Whose method is correct?

Talk about the mistakes the other children have made.

Here are the prices of some laptops and mobile phones.



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?

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	

Complete the calculation.

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

		Th	H	T	O	
		2	1	7	6	
	+	3	4	5	8	

Who has got each question correct?

a) Nijah

		H	T	O	
		4	4	5	
	+	3	4	8	
		78	1	3	

Scott

		H	T	O	
		4	4	5	
	+	3	4	8	
		7	9	3	
			1		

b) Nijah

		Th	H	T	O	
		4	8	2	6	
	+		1	7	8	
		5	0	0	4	
		1	1	1		

Scott

		Th	H	T	O	
		4	8	2	6	
	+	1	7	8		
		6	6	0	6	
		1	1			

What mistake has the other person made in each calculation?

Talk about it with a partner.

Work out the additions.

a)

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

b)

		Th	H	T	O	
		6	0	7	5	
	+		9	4	8	

c) 3,784 + 2,526

d) 79 + 654 + 1,312

Sort the calculations into the table.

712 + 394	1,312 + 2,527	2,350 + 3,760
1,995 + 712	3,044 + 2,372	17 + 953

No exchange needed	One exchange	More than one exchange

Write one more calculation of your own in each column.

Dexter is playing a computer game.

The table shows the number of points he gets in each round.

Round	1	2	3
Number of points	3,550	2,175	1,895

a) How many points does Dexter have at the end of Round 2?

b) He needs 8,000 by the end of Round 3 to win the game.
Does Dexter win the game?
Show your workings.