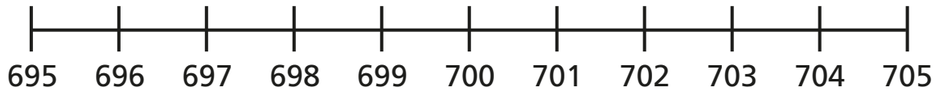
Efficient subtraction

1 **a)** Use the column method to work out 704 – 696

		H	T	O	
		7	0	4	
	–	6	9	6	

b) Count on the number line to work out 704 – 696



c) Which method do you prefer? Why?

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_____

2 Complete the subtractions by counting on.

a) 902 – 897 = ☐

b) 1,902 – 1,894 = ☐

c) 2,027 – 1,999 = ☐

3 **a)** Use column subtraction to complete the calculations.

		H	T	O	
		7	0	0	
	–	3	4	8	

		Th	H	T	O	
		6	0	0	0	
	–	2	1	4	5	

What do you notice?

_____

_____

b) **Rosie's method**

		H	T	O	
		6	9	9	
	–	3	4	8	
		3	5	1	

351 + 1 = 352

so 700 – 348 = 352

Use Rosie's method to work out 6,000 – 2,145

c) Amir's method

		H	T	O	
		7	0	0	
	–	3	4	8	
		3	5	2	

		H	T	O	
		6	9	9	
	–	3	4	7	
		3	5	2	

Use Amir's method to work out 6,000 – 2,145

d) Whose method do you prefer, Rosie's or Amir's?

4 Use the column method to work out the subtractions.

a) 500 – 341

c) £3,000 – £2,782

b) 1,000 – 729

d) 10,000 mm – 7,302 mm

5 A theme park has 3,002 light bulbs.

1,785 of the light bulbs are blue.

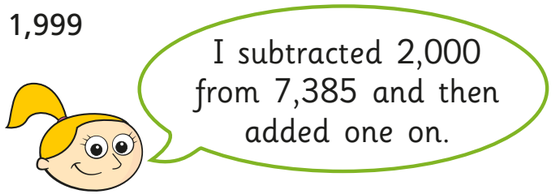
How many bulbs are not blue?

Use a method where you subtract 3 from each number.

6 Eva is working out 7,385 – 1,999

7,385 – 2,000 = 5,385

7,385 – 1,999 = 5,386



a) Explain why Eva's method works.

b) Explain a different method that Eva could have used.

The method should involve changing each number before subtracting.

c) Work out the subtractions.

4,512 – 2,999 =

5,147 – 997 =

3,704 – 2,998 =

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