Efficient subtraction



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

	Η	Т	0	
	67	×Q	4	
_	6	9	6	
	0	0	8	

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



c) Which method do you prefer? Why?

Various answers.



Complete the subtractions by counting on.









3

White

a) Use column subtraction to complete the calculations.



What do you notice?

You have to make multiple exchanges in each.

b) Rosie's method



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

	5	9	9	9	3	8	ຽ	L	+	1	11	3	8	ົວ	5
1	2	1	4	5											
	3	8	5	4								3,8	\$55		



	Th	Н	Т	0	
	56	10	້0້	0	
-	2	1	4	5	
	3	8	5	5	

351 + 1 = 352 so 700 - 348 = 352

c) Amir's method



	Н	Т	0	
	6	٩	q	
-	3	4	7	
	3	5	2	

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

	5	9	٩	9								
-	ຸລ	1	4	4								
	3	8	5	5				3,855				

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

Use the column method to work out the subtractions.





b) 1,000 – 729





d) 10,000 mm – 7,302 mm

A theme park has 3,002 light bu 1,785 of the light bulbs are blue How many bulbs are not blue? Use a method where you subtro

5

Eva is working out 7,385 – 1,99

7,385 - 2,000 = 5,385 7,385 - 1,999 = 5,386



a) Explain why Eva's method w

She is subtracting I len

subtracts 2,000 then ad

b) Explain a different method
The method should involve before subtracting.

She could add I to a

doesn't change and ca

c) Work out the subtractions.



oulbs.
ie.
,
ract 3 from each number.
1,217
99
I subtracted 2,000
from 7,385 and then added one on.
vorks.
than 2.000 so she
lds back on
that Eva could have used.
changing each number
each number so the difference
Jaulale 7,386 - 2,000
5,147 - 997 = 4,150
4,150

