Efficient subtraction

1 **a)** Use the column method to work out 603 - 595

	H	T	O
	6	0	3
-	5	9	5

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a) Use the column method to work out 603 - 595

	H	T	O
	6 ~~5~~	~~1~~0 ~~9~~	13
-	5	9	5
			8

Did you get 8?

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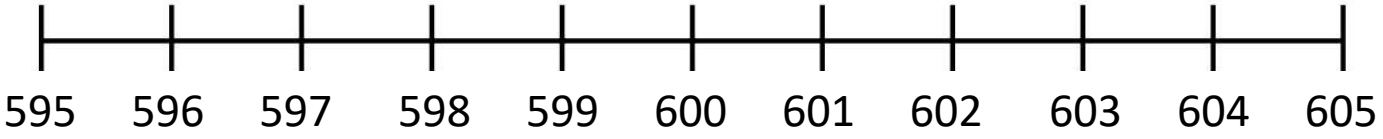
I

b) Count on the number line to work out 603 - 595



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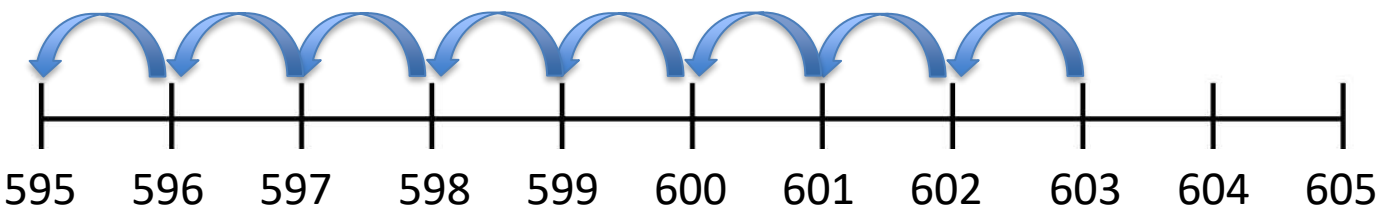
b) Count on the number line to work out $603 - 595 = 8$

8 jumps



Which method do you prefer?

Which method is the most efficient? (needs the least work)

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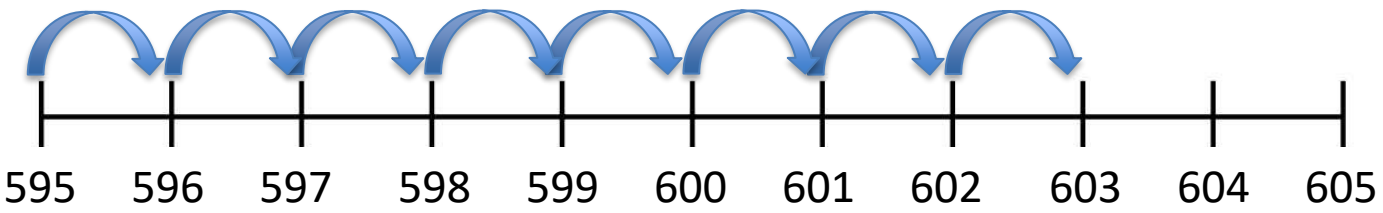
b) Count on the number line to work out $603 - 595 = 8$

8 jumps



	H	T	O
	~~6~~ 5	~~1~~ 0 9	1 3
-	5	9	5
			8

The number line is the most efficient for **this** calculation because the numbers are so close together.

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3 **b)** Maisie is working out 800 – 237.
She has used this column subtraction to find the answer.
Look closely. What do you notice?

	H	T	O
	7	9	9
-	2	3	7
	5	6	2

Then, she added 1 to the make the answer 563. 562 + 1 = 563

Can you see what she's done?

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3 **b)** Maisie is working out 800 – 237

She has used 799 instead of 800 to make an easier subtraction with no exchanges.

	H	T	O
	7	9	9
-	2	3	7
	5	6	2

Then, she added 1 to the answer because 800 - 799 = 1

562 + 1 = 563

So, 800 – 237 = 563

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3 **b)** Use Maisie's method to work out 900 - 253

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3 **b)** 900 – 253.

Did you use 899 instead of 900?

	H	T	O
	8	9	9
-	2	5	3
	6	4	6

Then, added 1 to the answer?

646 + 1 = 647

Did you get 647?

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5

A party shop has 2,009 balloons.

1,675 of the balloons are pink.

How many balloons are NOT pink?

Use a method where you subtract 10 from each number.

What numbers would you start with?

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5

A party shop has 2,009 balloons.

1,675 of the balloons are pink.

How many balloons are NOT pink?

Use a method where you subtract 10 from each number.

What numbers would you start with?

Start with 1999 and 1665.
Write a column subtraction.

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5

A party shop has 2,009 balloons.

1,675 of the balloons are pink.

How many balloons are NOT pink?

Use a method where you subtract 10 from each number.

1999 – 1665 = ?
Work out the column subtraction.

	Th	H	T	O
	1	9	9	9
-	1	6	6	5

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5

A party shop has 2,009 balloons.

1,675 of the balloons are pink.

How many balloons are NOT pink?

Use a method where you subtract 10 from each number.

Did you get 334?

What do we need to do now?

	Th	H	T	O
	1	9	9	9
-	1	6	6	5
		3	3	4

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5 A party shop has 2,009 balloons.

1,675 of the balloons are pink.

How many balloons are NOT pink?

Use a method where you subtract 10 from each number.

Because we subtracted 10 from both Numbers, we don't need to do anything else!

So, 2,009 – 1675 = 334

	Th	H	T	O
	1	9	9	9
-	1	6	6	5
		3	3	4

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