Use decomposition to subtract pairs of 5-digit numbers.

8 6 0 7 2
- 3 2 5 3 7

Can you spot where a 10, 100, 1000 or 10,000 will have to be moved?

The 'top' number has a zero so we will definitely have to move a 1000 to the 100s column. A 10 will also need to be moved into the ones column as 2 is less than 7.

	5000	1000	60	12
80,000	~~6000~~	~~0~~	~~70~~	~~2~~
- 30,000	2000	500	30	7
50,000	3000	500	30	5

53,535

	5	10	6	12
8	~~6~~	~~0~~	~~7~~	~~2~~
- 3	2	5	3	7
5	3	5	3	5

Use decomposition to subtract pairs of 5-digit numbers.

40,178 – 35,423

We have 100 – 400 but don't have any 1000s that we can move!
We first need to move 10,000 from the 10,000s column.

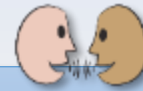# Choose decomposition *or* counting up to subtract pairs of 5-digit numbers.

3 0 0 0 8
- 2 5 7 8 3

What moves across place value columns would be necessary for this subtraction?

We would have to move a 10,000 to the 1000s, then a 1000 to the 100s and then a 100 to the 10s!
When we have this many moves to make, using 'Frog' (counting up) would probably be a less error-prone strategy!
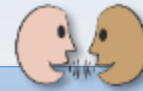
Frog is using the pair to 1000 to make the first hop.

Where will Maths Frog hop to next?

217

25,783   26,000   30,008

Choose **decomposition** *or* **counting up** to subtract pairs of 5-digit numbers.
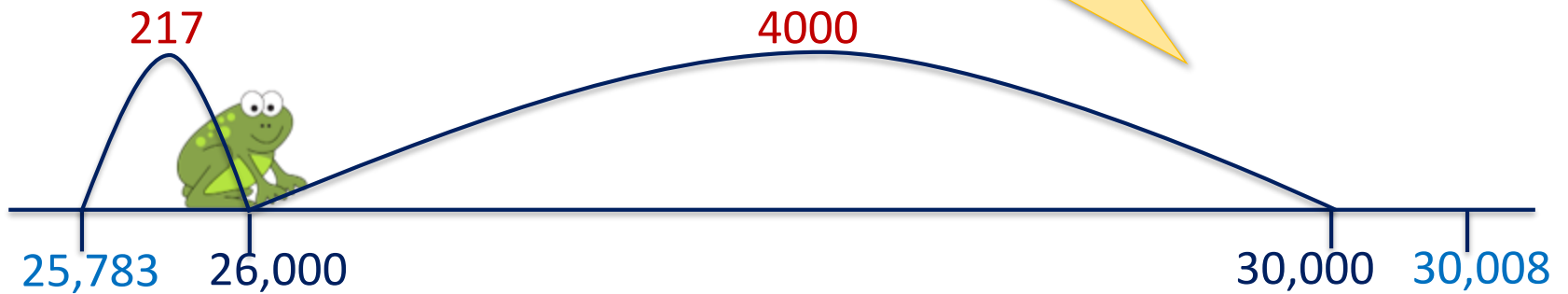
3 0 0 0 8
- 2 5 7 8 3

What moves across place value columns would be necessary for this subtraction?

**We would have to move a 10,000 to the 1000s, then a 1000 to the 100s and then a 100 to the 10s!
When we have this many moves to make, using Frog (counting up) would probably be a less error-prone strategy!**

Frog is using the pair to 1000 to make the first hop.

Where will Maths Frog hop to next?

?

217

4000

25,783   26,000   30,000   30,008

Choose decomposition *or* counting up to subtract pairs of 5-digit numbers.

3 0 0 0 8
- 2 5 7 8 3

What moves across place value columns would be necessary for this subtraction?

We would have to move a 10,000 to the 1000s, then a 1000 to the 100s and then a 100 to the 10s!
When we have this many moves to make, using Frog (counting up) would probably be a less error-prone strategy!
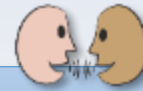
Frog is using the pair to 1000 to make the first hop.

Where will Maths Frog hop to next?

$30,008 - 25,783 = 4000 + 217 + 8 = 4225$

More efficient with Frog!

217   4000   8

25,783   26,000   30,000 30,008