

Adding and subtracting near multiples of 10 and 100

Let's Learn Together

- 1 Let's use our knowledge of counting in 10s to add 9.

What is $34 + 9$?

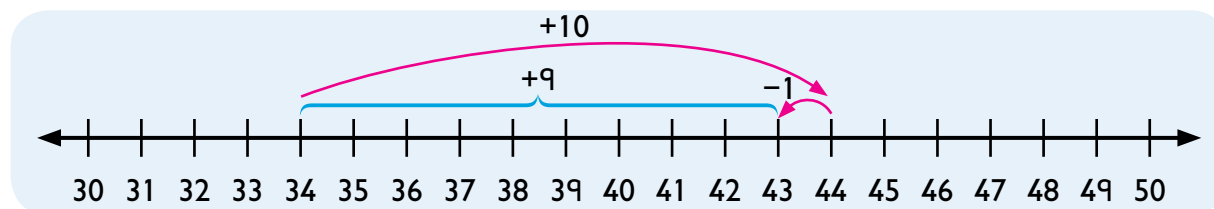
We can count up 10 and then adjust by 1.

$$34 + 10 = 44$$

$$44 - 1 = 43$$

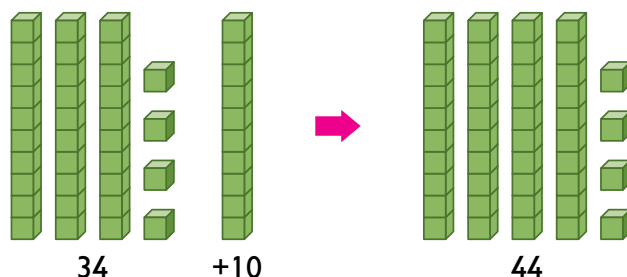
$$\text{So, } 34 + 9 = 43.$$

Let's look at this on the number line.

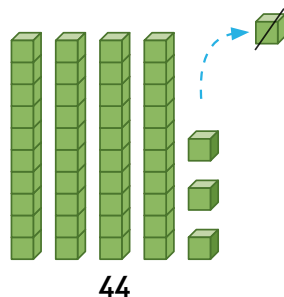


We have counted on 10 from 34 to 44. Then we need to adjust by 1 to find 9.

Let's also look at this using counting blocks.



We have added 10 but we only needed to add 9. We should remove one 1s cube.



$$\text{So } 34 + 9 = 43.$$

- 2 We can also use our knowledge of counting in 100s to add 99.

What is $367 + 99$?

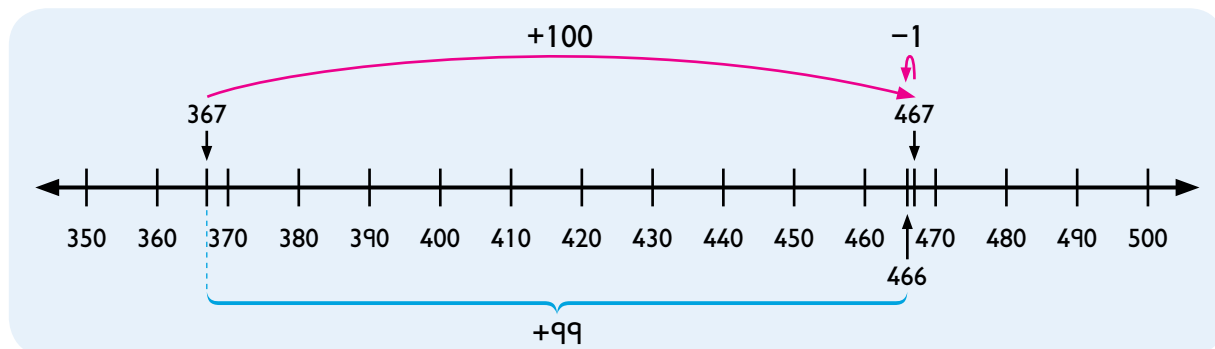
We can count up 100 and then adjust by 1.

$$367 + 100 = 467$$

$$467 - 1 = 466$$

$$\text{So, } 367 + 99 = 466.$$

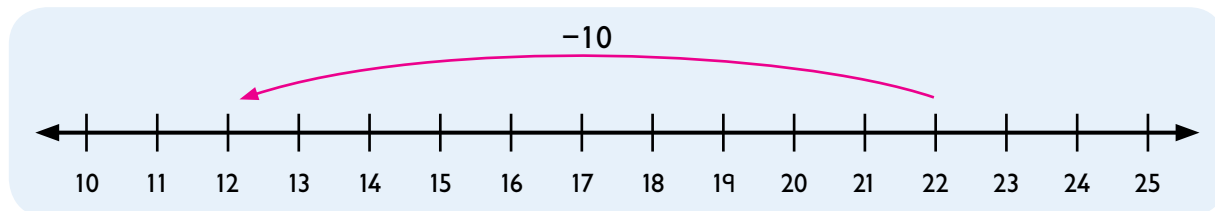
Let's look at this on the number line.



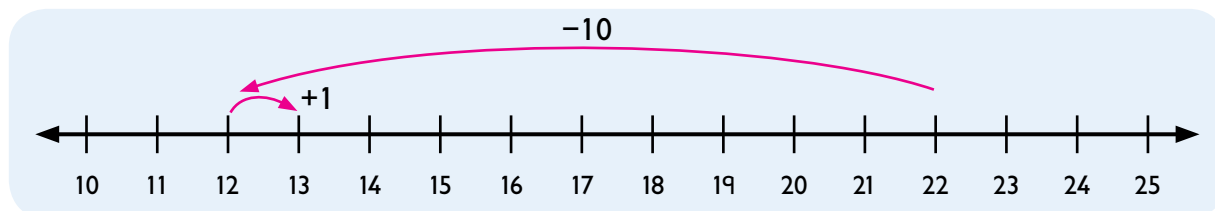
We have counted on 100 from 367 to 467. Then we need to adjust by 1 to find 99.

- 3 Now let's use counting back to subtract 9 from 22.

First, we count back 10 from 22 to get to 12.



We have counted back 1 too many, so we need to add the 1.

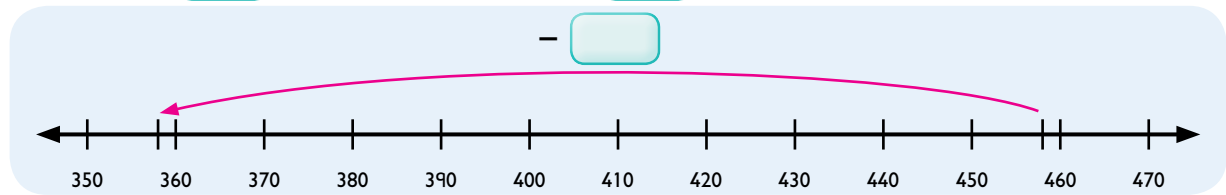


$$\text{So, } 22 - 9 = 13.$$

Let's Try It

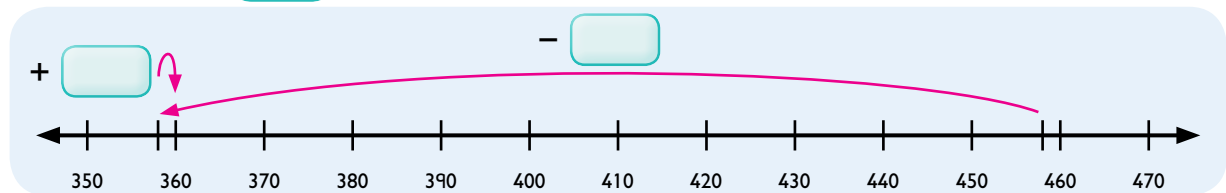
1 What is $458 - 99$?

99 is near , so let's count back from 458.



$$458 - \text{} = \text{}$$

We have subtracted but we only needed to subtract 99, so we need to add the extra we subtracted.

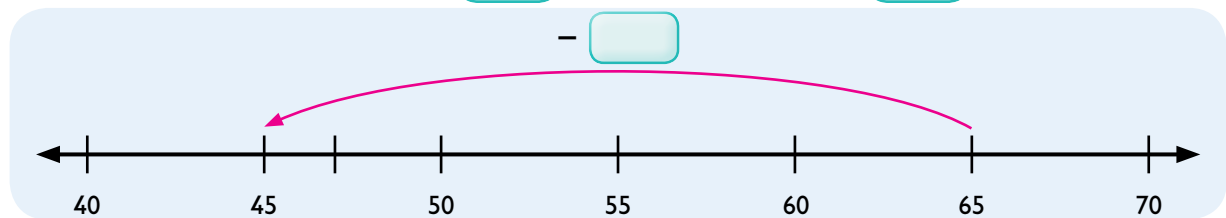


$$358 + \text{} = \text{}$$

$$\text{So, } 458 - 99 = \text{}.$$

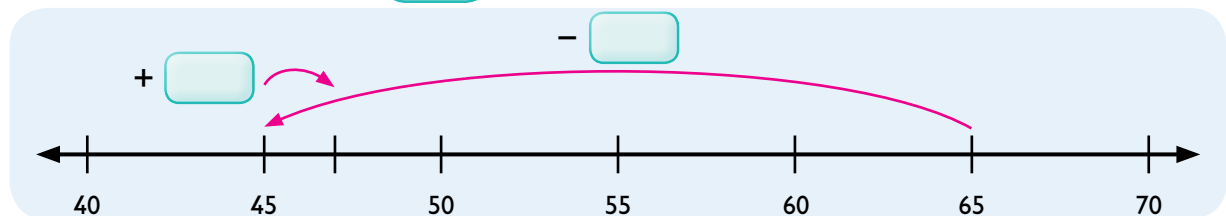
2 What about $65 - 18$?

We can count back 2 lots of because 18 is near .



$$65 - \text{} = \text{}$$

But we have subtracted too many, so we need to add them back on.

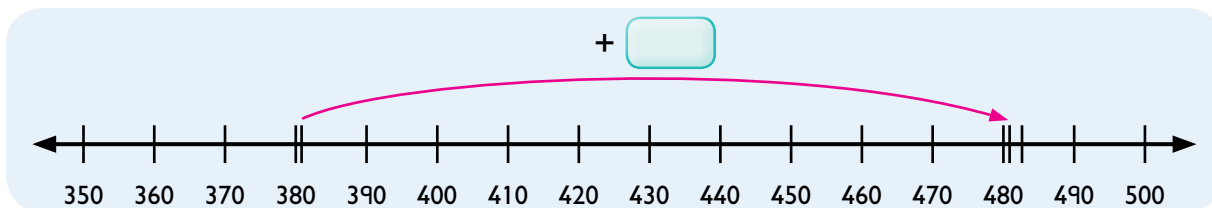


$$45 + \text{} = \text{}$$

$$\text{So, } 65 - 18 = \text{}.$$

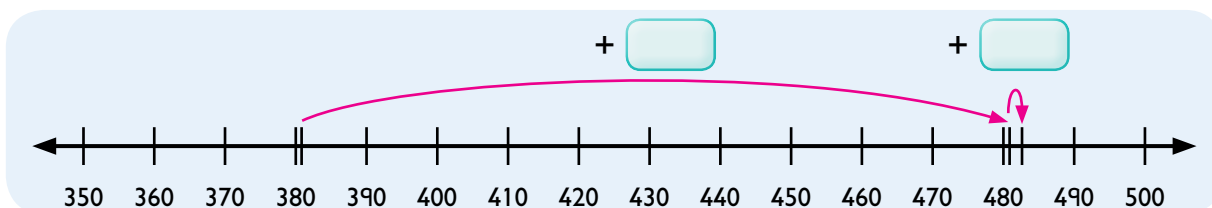
3 Let's try $381 + 102$.

We can add because 102 is near .



$$381 + \text{} = \text{}$$

But we still have more to add.



$$481 + \text{} = \text{}$$

$$\text{So, } 381 + 102 = \text{}.$$

Let's Practise

1 Complete these addition sums by counting on in 10s or 100s and then adjusting.

(a) $573 + 98 = \text{}$

(b) $34 + 11 = \text{}$

(c) $397 + 99 = \text{}$

(d) $274 + 97 = \text{}$

(e) $25 + 19 = \text{}$

(f) $56 + 9 = \text{}$

2 Complete these subtraction equations by counting back in 10s or 100s and then adjusting.

(a) $738 - 99 = \text{}$

(b) $659 - 102 = \text{}$

(c) $46 - 19 = \text{}$

(d) $477 - 298 = \text{}$

(e) $35 - 8 = \text{}$

(f) $224 - 27 = \text{}$

 Go to WB pages 34 to 37