



# Subtract Using the Open Number Line 2.NBT.B.5

## Compensate to Find Friendly Numbers

52 - 14 = 38

10 4

Ask yourself: Is there a friendly number close to the first number in the problem?

50

How many do you need to add to or take from the 1<sup>st</sup> number to make the friendly number?

2

1. Take away the amount you need to get to the friendly number.

2. Take away the tens and ones from the middle number in the problem.

3. Add the amount you took away in step one to make the friendly number back in.

36 38 40 50 52

-4 -10 -2

+2



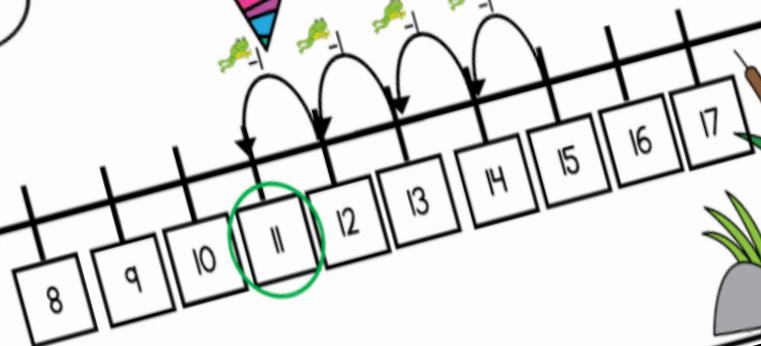
Digital Lesson & Printable Recording Sheet

# Subtraction on the Number Line

$$15 - 4 = \boxed{11}$$

The number that you land on is the answer.

- To subtract on the number line, start with the first number.
1. Highlight the first number in the equation and on the number line.
  2. Then, make hops to the left to subtract.



INCHES 1 2 3 4 5 6

CENTIMETERS 2 3

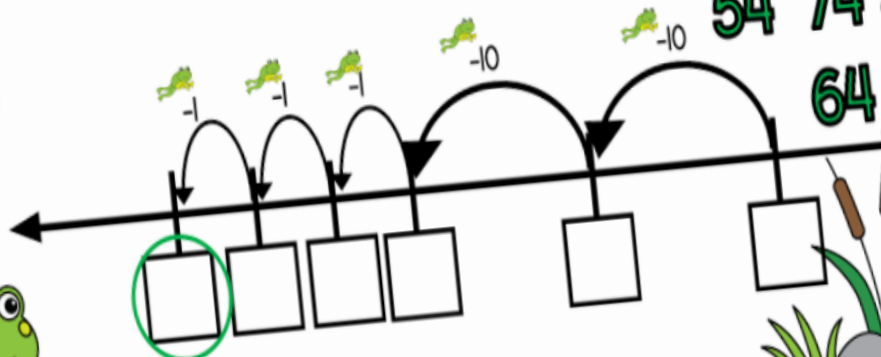
19 20 21 22 23 24 25 26 27

# Subtraction on the Open Number Line

$$74 - 23 = \square$$



To subtract on the number line, break the number into tens and ones. Then hop the tens and step the ones!



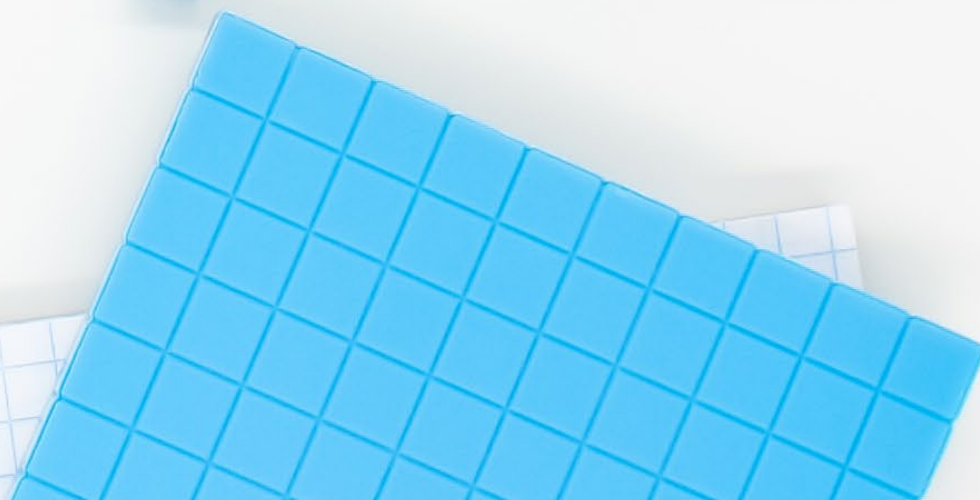
53 20

52 3

51 51

54 74

64



# Let's Watch!

Watch the Subtraction - Open Number Line video



$$71 - 15 =$$



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# Explore

Drag and drop the boxes on to the number line and then type the numbers to show how to subtract on an open number line.

$$79 - 43 = \square$$



Do you remember which number to start with?

-10 -10 -10  
-10 -1 -1



# Explore

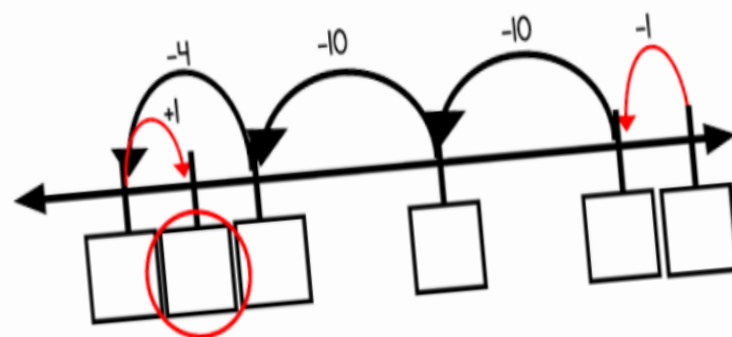
47 70 50 20  
4 46 47 71  
60 70 1

$$71 - 24 = \square$$

$\square$   $\square$

What friendly number can you make?  $\square$

How many do you need to add to or take from the 1<sup>st</sup> number to make the friendly number?  $\square$



CENTIMETERS 2 3

20 21 22 23 24 25 26 27

120 130 140 150 160 170 180  
0 INCHES  
1 2 3 4 5 6 7 8 9 10

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Open Number Line Lesson Recording Sheet: Day 1

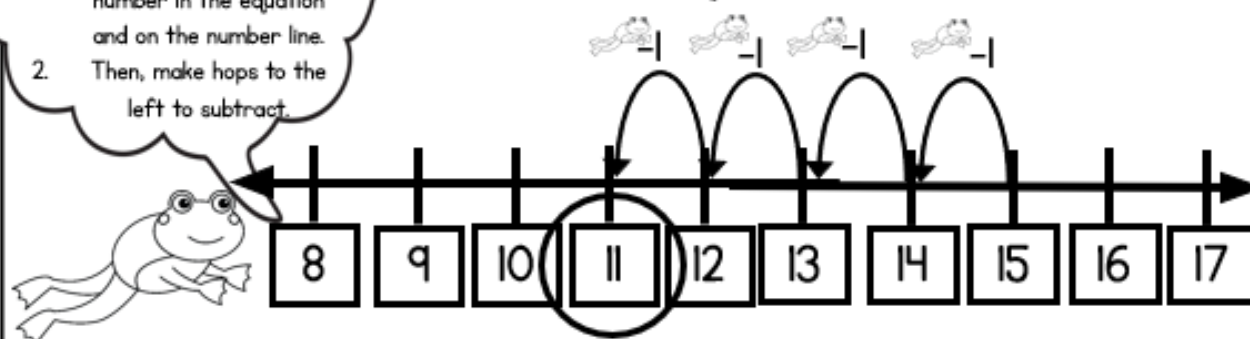
### Subtraction on the Open Number Line

To subtract on the number line, start with the first number.

1. Highlight the first number in the equation and on the number line.
2. Then, make hops to the left to subtract.

$$15 - 4 = \boxed{11}$$

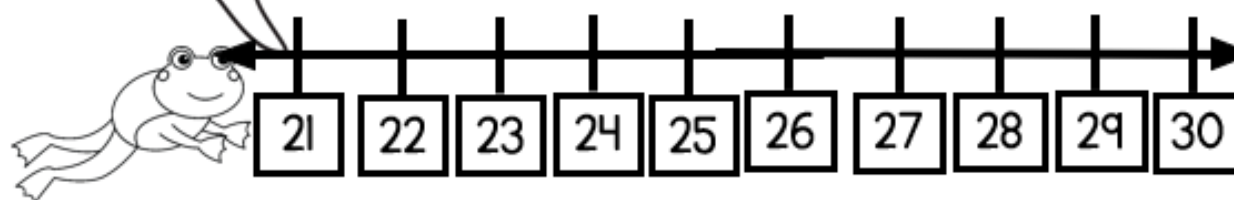
The number that you land on is the answer.



### Explore

$$27 - 3 = \boxed{\phantom{00}}$$

To subtract on the number line, start with the first number. Then make hops to the left to subtract.



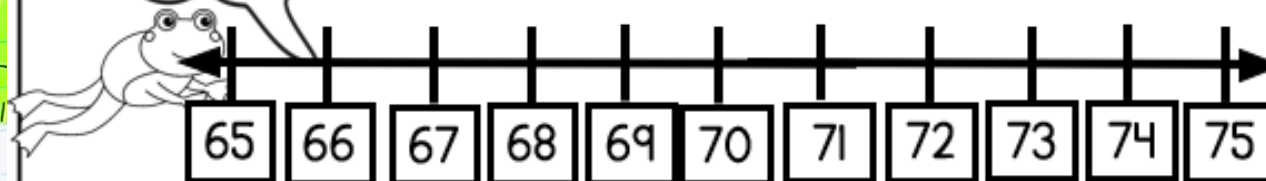
Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Open Number Line Lesson Recording Sheet: Day 1

### Explore

$$75 - 10 = \square$$

To subtract on the number line, start with the first number. Then make hops to the left to subtract.



$$62 - 5 = \square$$

To subtract on the number line, start with the first number. Then make hops to the left to subtract.

