Name:

**Topic 5: Addition and Subtraction on a Number Line**
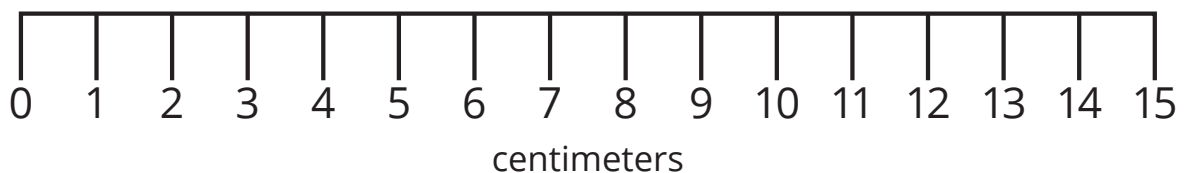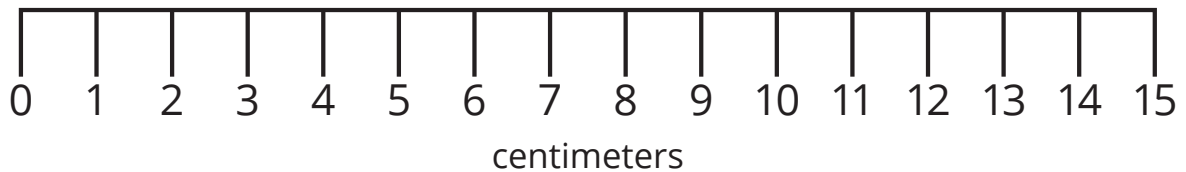
# From a Ruler to a Number Line

## My Learning Goals

I can use rulers to measure an object.

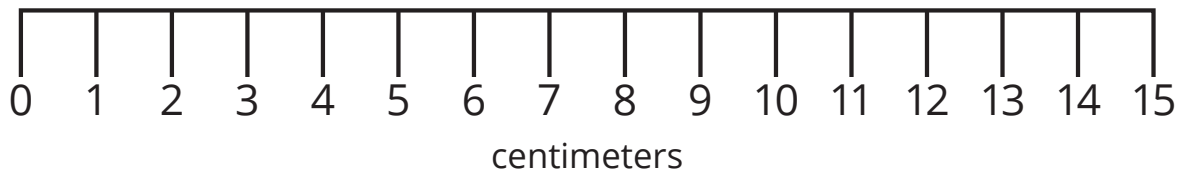I can use a number line to add and subtract numbers up to 20.

**Activate**  **Adding and Subtracting with Paper Strips**

❯ Use the rulers to complete the activity.

```
0  1  2  3  4  5  6  7  8  9  10  11  12  13  14  15
                    centimeters
```

```
0  1  2  3  4  5  6  7  8  9  10  11  12  13  14  15
                    centimeters
```

**Explore** **Adding and Subtracting with Serena**

> Use the ruler and number line to complete the activity.

```
0  1  2  3  4  5  6  7  8  9  10  11  12  13  14  15
```

centimeters

```
0  1  2  3  4  5  6  7  8  9  10  11  12  13  14  15
```
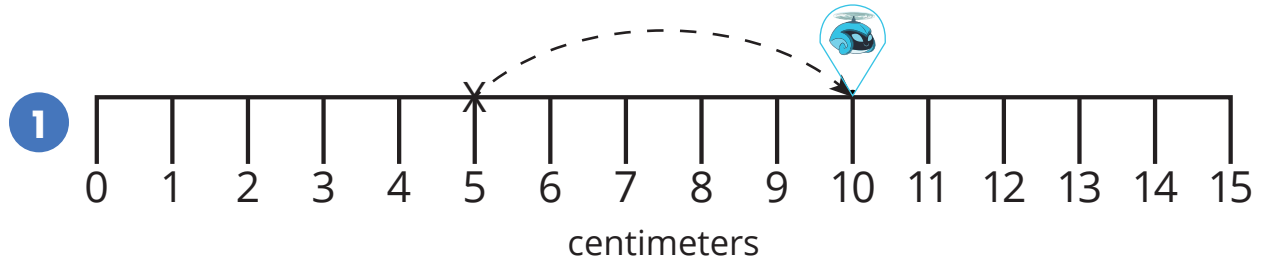
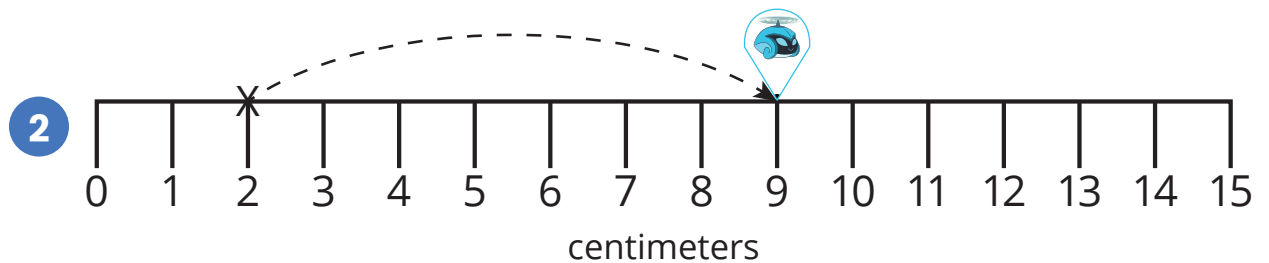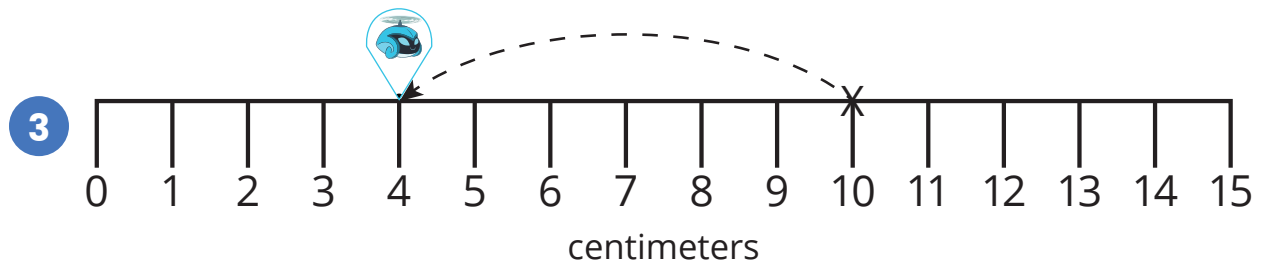A **number line** is a line that shows numbers marked at equal distances from each other.
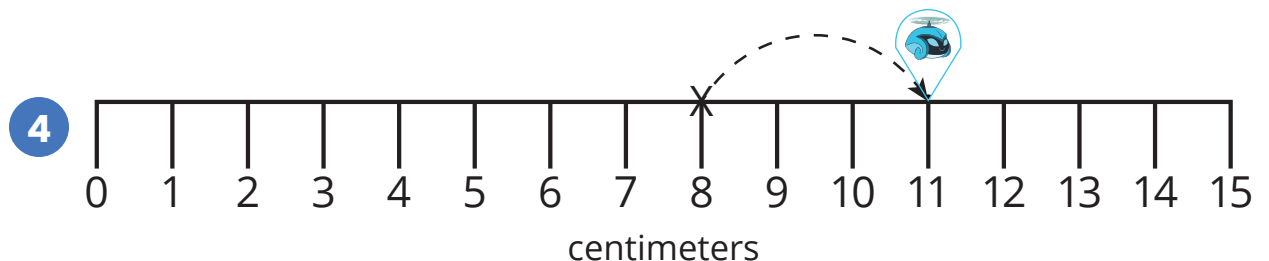
**Explore** **Adding and Subtracting on the Number Line**

> Write the equation modeled by each jump.

**1**

0  1  2  3  4  5  6  7  8  9  10  11  12  13  14  15

centimeters

$5 + 5 = 10$

**2**

0  1  2  3  4  5  6  7  8  9  10  11  12  13  14  15

centimeters

_____

**3**

0  1  2  3  4  5  6  7  8  9  10  11  12  13  14  15

centimeters

_____

**4**

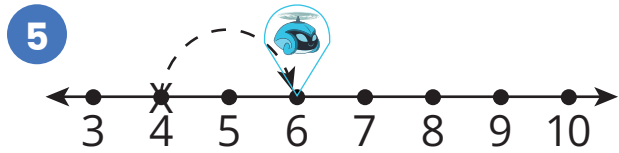0  1  2  3  4  5  6  7  8  9  10  11  12  13  14  15

centimeters

_____

## Explore continued

❯ Complete each equation to represent the jump modeled on each number line.

**5**



3  4  5  6  7  8  9  10

$4 + 2 = 6$

**6**



5  6  7  8  9  10  11  12

_____

**7**



2  3  4  5  6  7  8  9

_____

**8**



1  2  3  4  5  6  7  8

_____
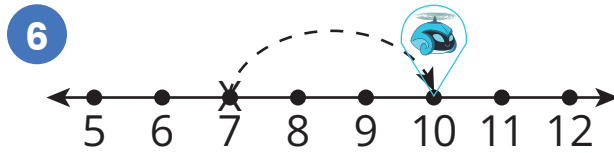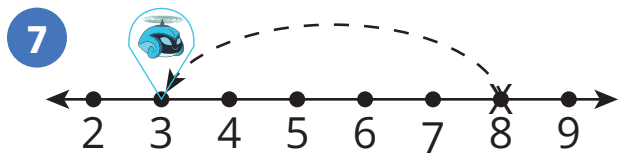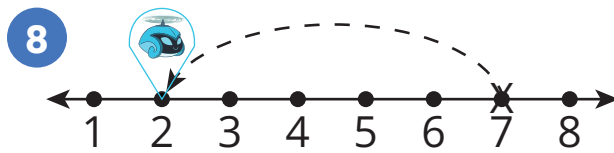
## Reflect   Reflect and Summarize

❯ Think about what you learned in this lesson.

**1** How can you model addition or subtraction equations on a number line? Explain your thinking using words, numbers, or pictures.