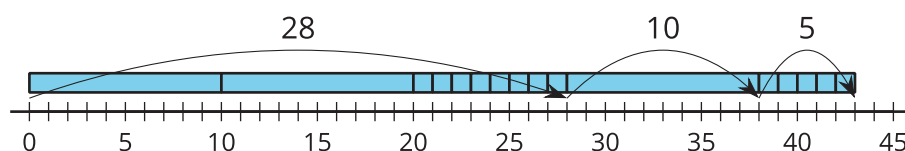


# Lesson 10: Place Value and the Number Line

- Let's compare methods using the number line.

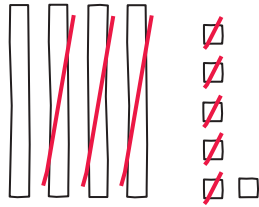
## Warm-up: Notice and Wonder: Base-ten and the Number Line

What do you notice? What do you wonder?



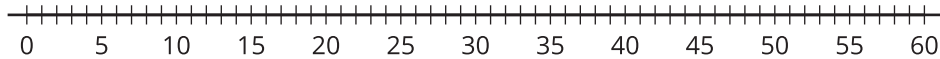
## 10.1: Compare Representations

Clare subtracted and represented her work with a base-ten diagram.



1. Write an equation to represent Clare's work.

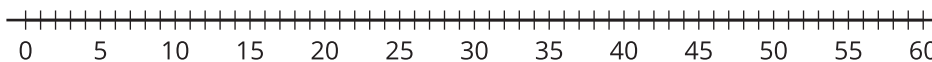
2. Represent Clare's method on the number line.



3. Find the value of  $58 - 24$ .

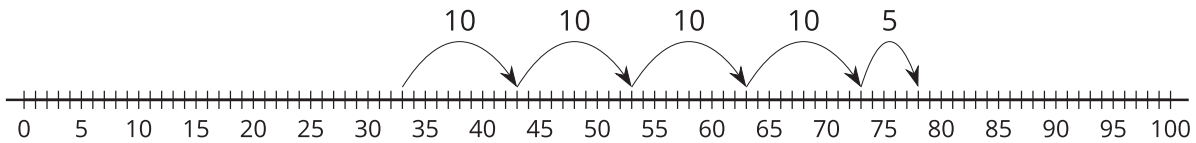
Show your thinking using a base-ten diagram.

4. Represent how you found the value of  $58 - 24$  on the number line.



## 10.2: On the Number Line

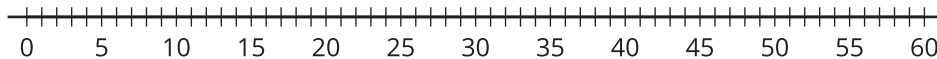
Diego is finding the value of  $33 + 45$ . He says he can count on by tens, then by ones. He used a number line to show what he means.



1. Write an equation to show the sum for Diego's work.

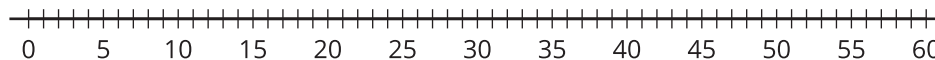
2. Find the value of  $23 + 24$ .

Represent your thinking on the number line.



3. Find the value of  $50 - 32$ .

Represent your thinking on the number line.



4. Find the value of  $40 - 26$ .

Represent your thinking on the number line.

