



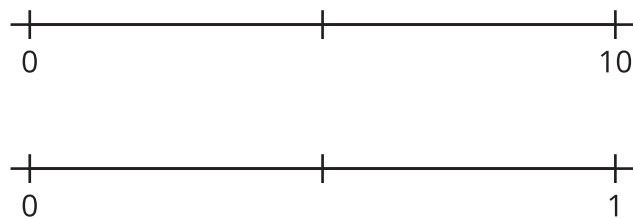
# To the Number Line

Let's learn about fractions on the number line.

## Warm-up

### Notice and Wonder: Two Number Lines

What do you notice? What do you wonder?



## Activity 1

### Card Sort: Number Lines

Your teacher will give you a set of cards that show number lines. Sort the cards into categories in a way that makes sense to you. Be ready to explain the meaning of your categories.

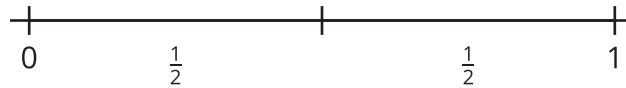


## Activity 2

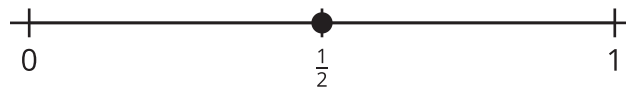
### Fold and Label the Number Line

1. Andre and Clare are talking about how to label fractions on the number line.

Andre says  $\frac{1}{2}$  can be labeled like this:



Clare says  $\frac{1}{2}$  can be labeled like this:



How could each student's labeling make sense?

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2. Your teacher will give you a set of number lines. Cut your number lines apart so that you can fold each of them.

As you fold, discuss your strategies with your partner.

- a. Fold a number line into halves. Draw tick marks to show the halves. Label  $\frac{1}{2}$  on the number line.
- b. Fold a number lines into thirds. Draw tick marks to show the thirds. Label  $\frac{1}{3}$  on the number line.
- c. Fold a number line into fourths. Draw tick marks to show the fourths. Label  $\frac{1}{4}$  on the number line.
- d. Fold a number line into sixths. Draw tick marks to show the sixths. Label  $\frac{1}{6}$  on the number line.
- e. Fold a number line into eighths. Draw tick marks to show the eighths. Label  $\frac{1}{8}$  on the number line.

