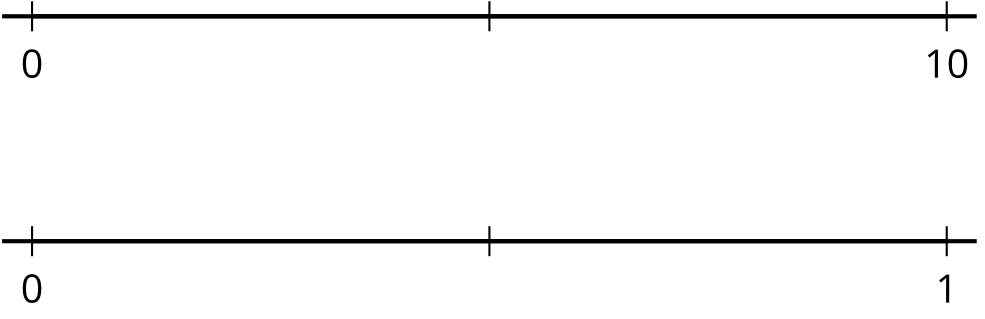
## Lesson 5: To the Number Line

* Let’s learn about fractions on the number line.

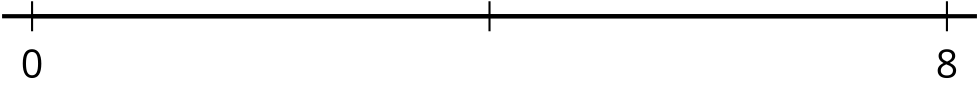
### Warm-up: Notice and Wonder: Two Number Lines

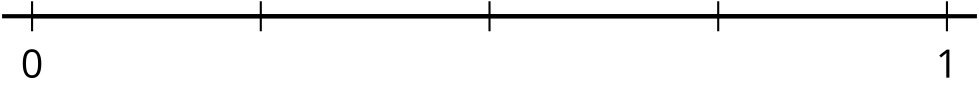
What do you notice? What do you wonder?

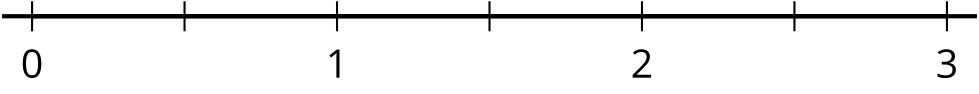


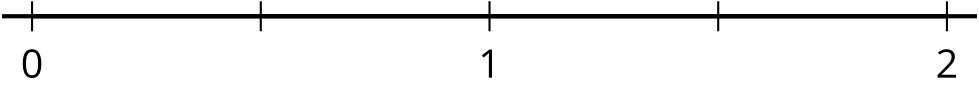
### 5.1: Card Sort: Number Lines

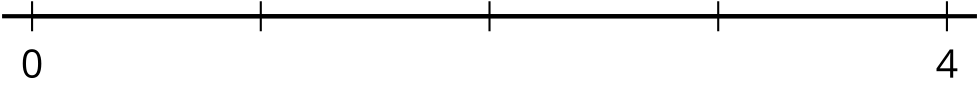
Your teacher will give you a set of cards that show number lines. Sort the cards into categories of your choosing. Be prepared to explain the meaning of your categories.

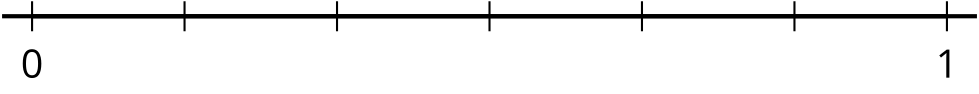
A

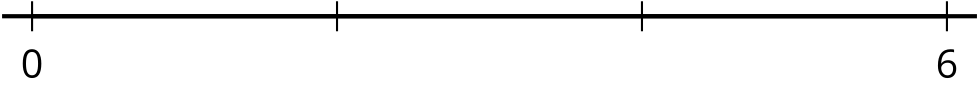
B

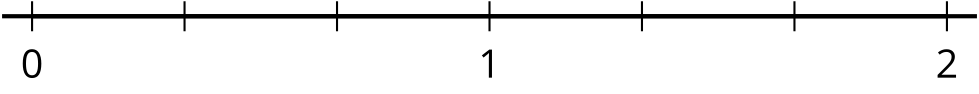
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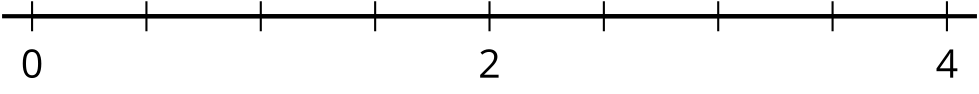
D

E

F

G

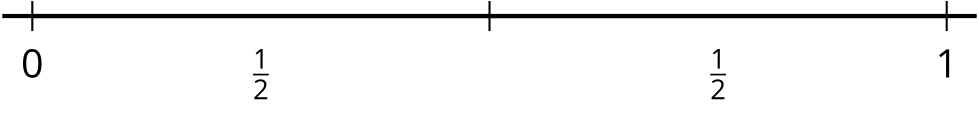
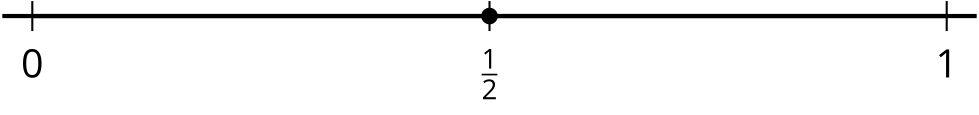
H

I



### 5.2: Fold and Label the Number Line

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

* Andre says can be labeled like this:
* 
* Clare says can be labeled like this:
* 
* How could each student’s labeling make sense?

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

* As you fold, discuss your strategies with your partner.
  1. Fold one of the number lines into halves. Draw tick marks to show the halves. Label the number .
  2. Fold one of the number lines into thirds. Draw tick marks to show the thirds. Label the number .
  3. Fold one of the number lines into fourths. Draw tick marks to show the fourths. Label the number .
  4. Fold one of the number lines into sixths. Draw tick marks to show the sixths. Label the number .
  5. Fold one of the number lines into eighths. Draw tick marks to show the eighths. Label the number .



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