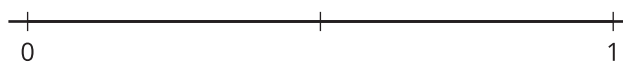
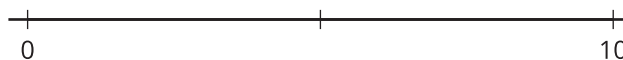


Lesson 5: To the Number Line

- Let's learn about fractions on the number line.

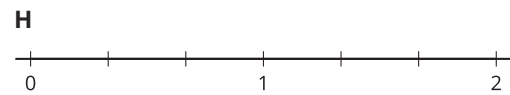
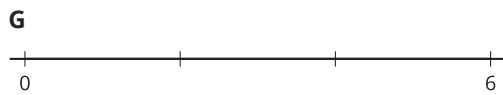
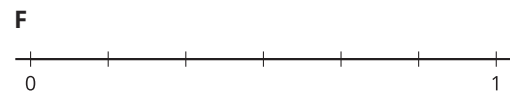
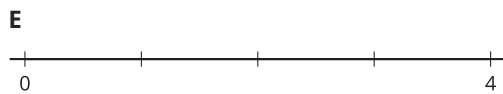
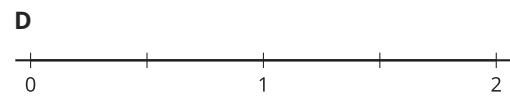
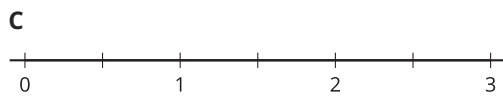
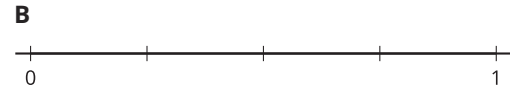
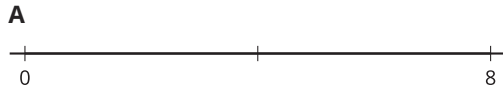
Warm-up: Notice and Wonder: Two Number Lines

What do you notice? What do you wonder?



5.1: Card Sort: Number Lines

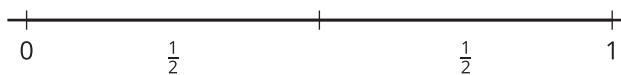
Your teacher will give you a set of cards that show number lines. Sort the cards into categories of your choosing. Be prepared to explain the meaning of your categories.



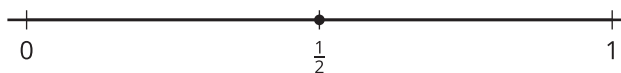
5.2: Fold and Label the Number Line

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

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



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



How could each student's labeling make sense?

2. 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.

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