

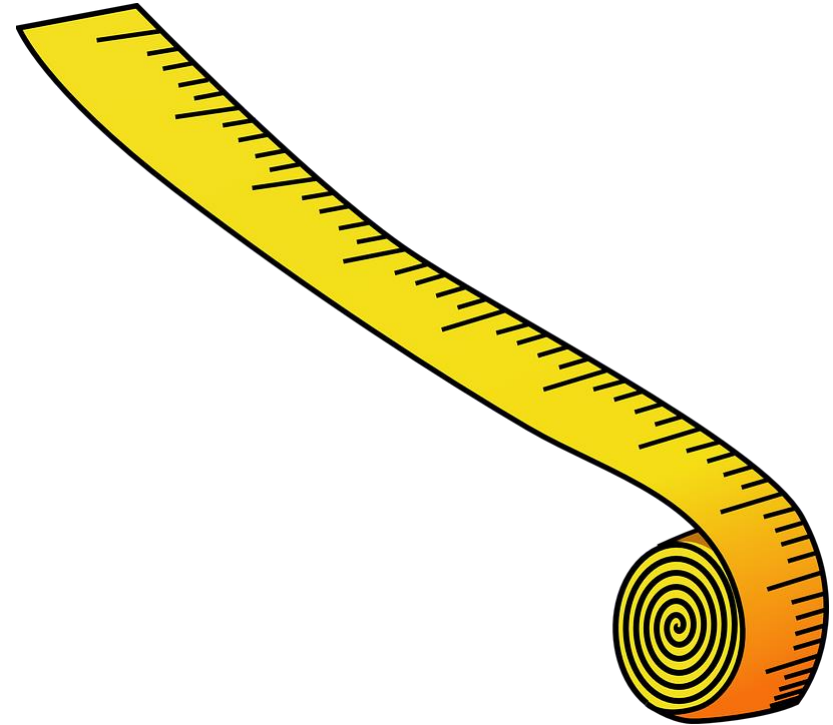


Place Fractions on a Number Line

Unit 5 Lesson 9

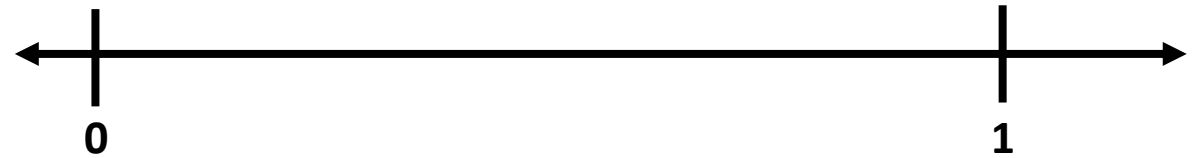
Place Fractions on a Number Line

- In this lesson, we'll learn how to place fractions on a number line.



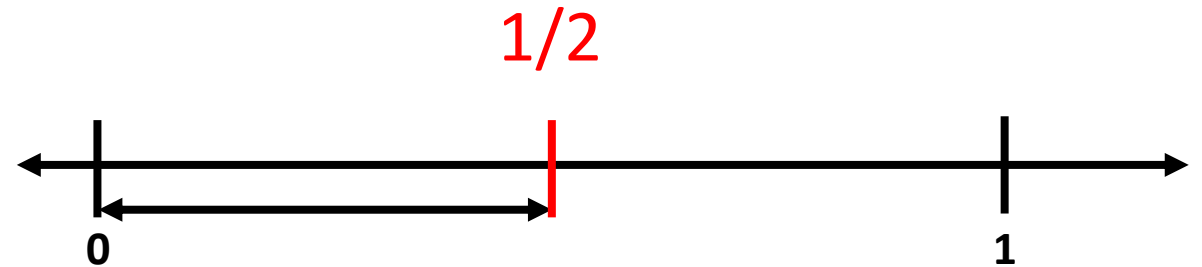
Place Fractions on a Number Line

- Any fraction can be placed on a number line.
- In this lesson, we'll work with number lines from 0 to 1
- What fractions couldn't we put on this number line?
- **Whole numbers!**



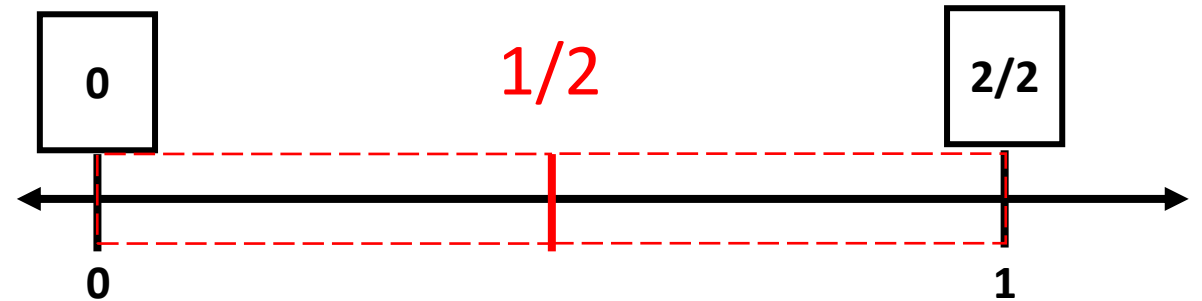
Place Fractions on a Number Line

- We'll start with a simple example.
- Label $\frac{1}{2}$ on the number line.
- How did you know where to place it?
- Halfway along the line!
- Is there a method we could use for any fraction?



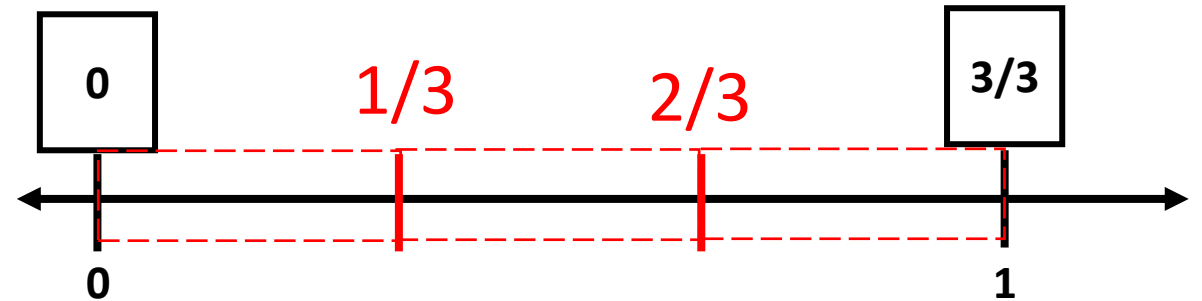
Place Fractions on a Number Line

- Label $\frac{1}{2}$ on the number line.
- First, label zero and $\frac{2}{2}$ (which equals 1) on the number line.
- Next, divide the number line into equal fractions based on the denominator, in this case, 2.
- Now label the point at the end of one half ($\frac{1}{2}$).
- This is a method we can use for any fraction.



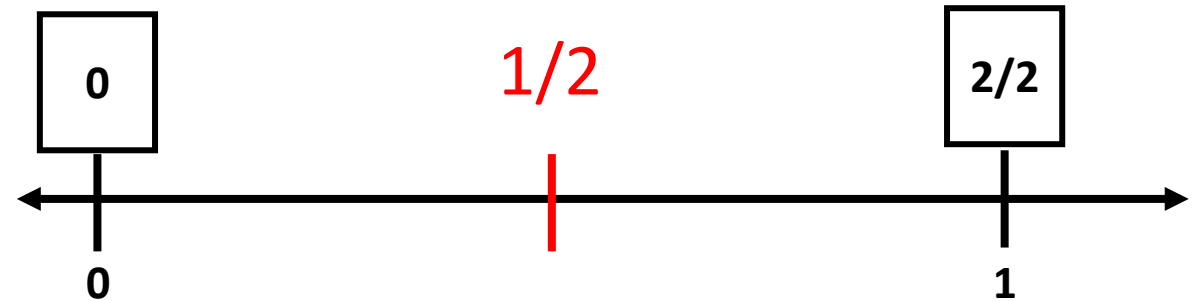
Place Fractions on a Number Line

- Label $1/3$ on the number line.
- Divide the number line into 3 (the denominator).
- Now label the point at the end of one-third ($1/3$)
- $1/3$ is on the number line.
- We can also use this method to label $2/3$.



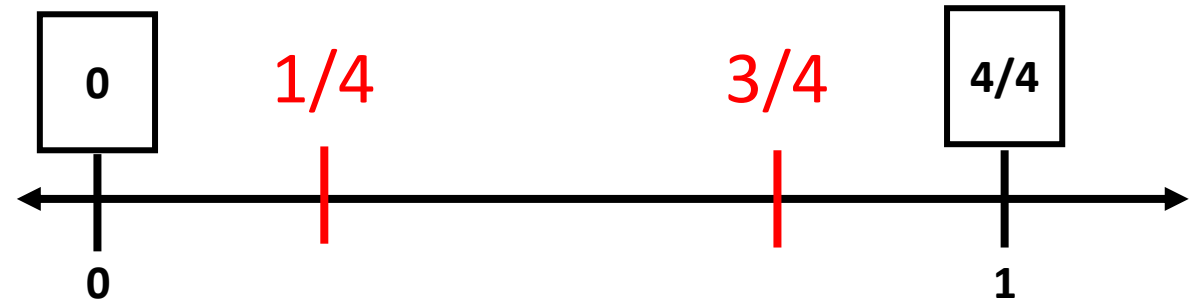
Review Questions

1. Label $\frac{1}{2}$ on this number line; make sure you label the fractions at zero and 1.



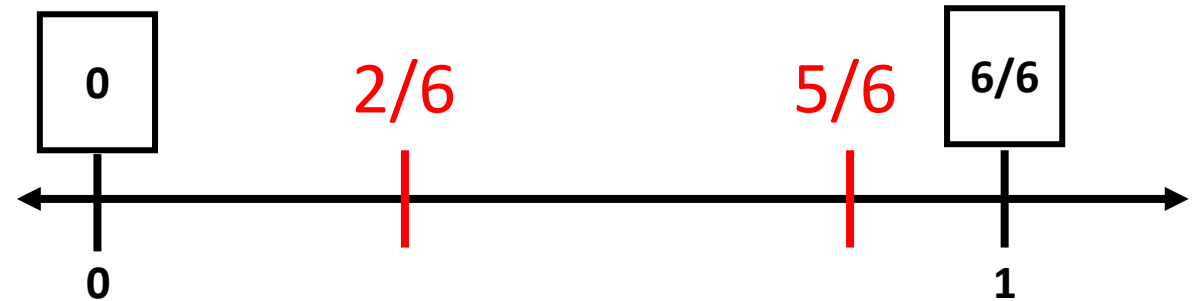
Review Questions

2. Label $\frac{1}{4}$ and $\frac{3}{4}$ on this number line; make sure you label the fractions at zero and 1.



Review Questions

3. Label $\frac{2}{6}$ and $\frac{5}{6}$ on this number line; make sure you label the fractions at 0 and 1.



Review Questions

4. Draw a number line and label the following fractions on it

$0, 1/8, 2/8, 4/8, 6/8, 7/8$

