

Place Fractions on a Number Line

Guided Notes – Student Edition

Math 3

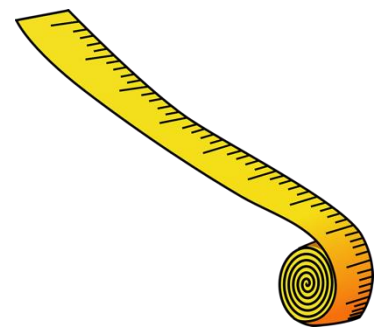


Place Fractions on a Number Line

Unit 5 Lesson 9

Place Fractions on a Number Line

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



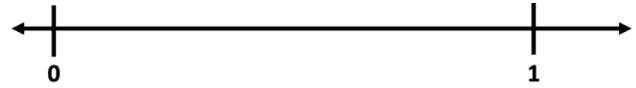
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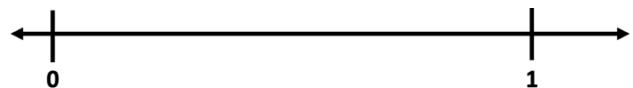
Place Fractions on a Number Line

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



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?



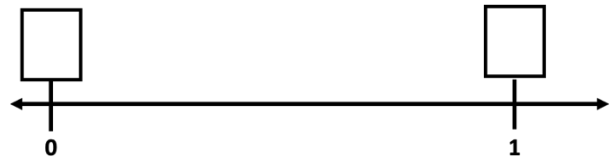
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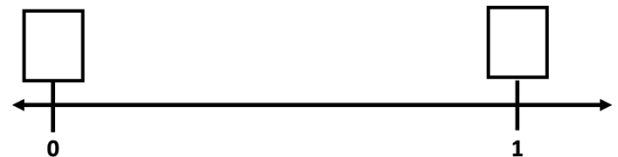
Place Fractions on a Number Line

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



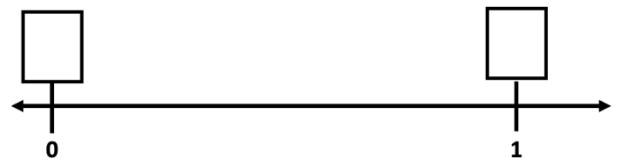
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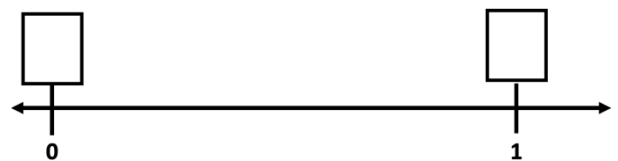
Review Questions

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.



Name: _____ Period: _____ Date: _____

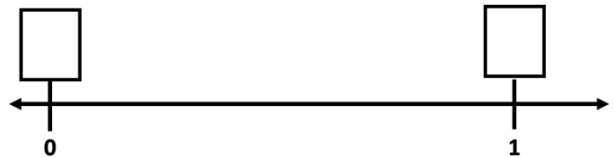
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Review Questions

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
 $0, \frac{1}{8}, \frac{2}{8}, \frac{4}{8}, \frac{6}{8}, \frac{7}{8}$