

Name _____

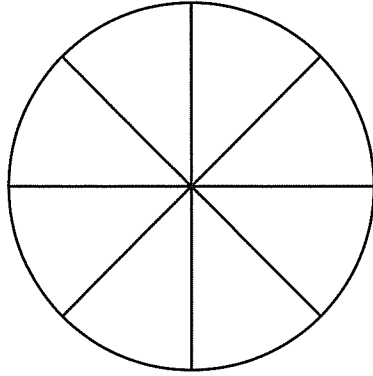
Day #4

Common Core Standards Practice

Extended Learning

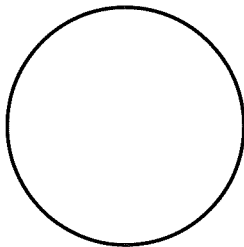
3.NF.A.1 Understand a fraction $\frac{1}{b}$ as the quantity formed by 1 part when a whole is partitioned into b equal parts; understand a fraction $\frac{a}{b}$ as the quantity formed by a parts of size $\frac{1}{b}$.

1. Lucy divided the circle into equal parts as shown.

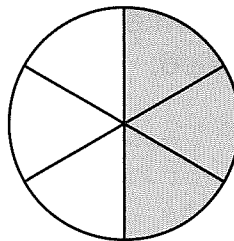


- a. How many equal parts does the circle have?
- b. Shade 5 parts of the circle.
- c. What fraction of the circle is shaded? Tell how you know.

2. Divide the circle into 4 equal parts. Then shade $\frac{1}{4}$.

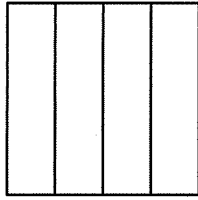


3. What fraction of the circle is shaded?



- A $\frac{1}{3}$
- B $\frac{3}{6}$
- C $\frac{1}{6}$
- D $\frac{3}{3}$

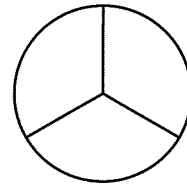
4. Look at the square below. It is divided into 4 equal parts.



- a. What fraction of the square is each equal part? How do you know?

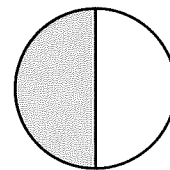
- b. Shade three parts of the square. What fraction of the square did you shade? How do you know?

5. a. Shade the circle to show $\frac{2}{3}$.



- b. Explain how you showed the fraction $\frac{2}{3}$.

6. Sean divided a circle into 2 equal parts. He shaded 1 part. Write a fraction to name the part Sean shaded.



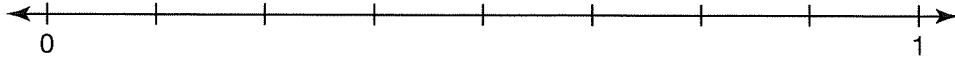
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3.NF.A.2. Understand a fraction as a number on the number line; represent fractions on a number line diagram.

a. Represent a fraction $\frac{1}{b}$ on a number line diagram by defining the interval from 0 to 1 as the whole and partitioning it into b equal parts. Recognize that each part has size $\frac{1}{b}$ and that the endpoint of the part based at 0 locates the number $\frac{1}{b}$ on the number line.

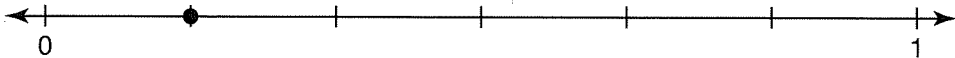
1. Ella divides the distance between 0 and 1 on a number line into 8 equal parts.



- a.** What fraction names the size of each equal part?

- b.** Draw and label the point on the number line that shows $\frac{1}{8}$.

2. Look at the point on the number line.



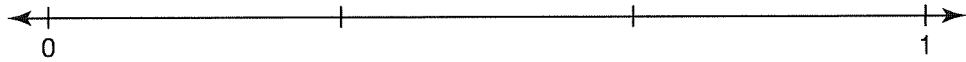
- a.** What fraction does the point show?

- b.** Explain how you know.

3. Divide the number line between 0 and 1 into four equal sections. Then draw and label a point to show $\frac{1}{4}$.

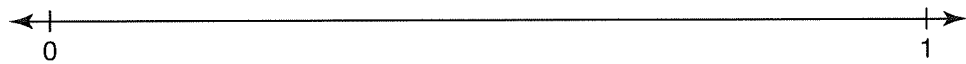


4. a. Draw and label a point to show $\frac{1}{3}$ on the number line.



- b. Explain how you knew where to draw the point for $\frac{1}{3}$.

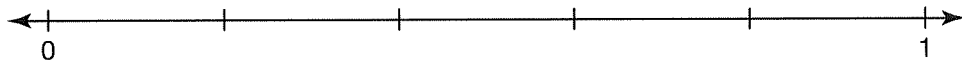
5. a. Divide the number line between 0 and 1 into 2 equal parts.



- b. What fraction names the size of each equal part? _____

- c. Label the tick mark with the correct fraction.

6. Alana makes a number line from 0 to 1. She uses tick marks to divide it into equal parts.



- a. Write a fraction to label the first tick mark to the right of 0.

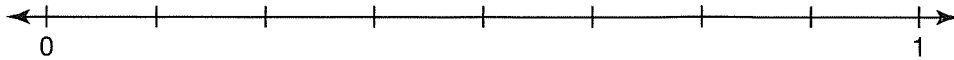
- b. Explain how you knew which fraction to write.

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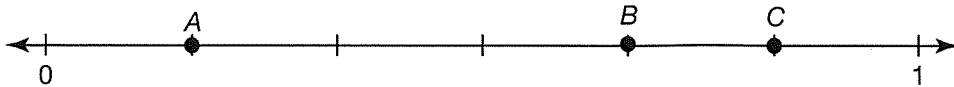
3.NF.A.2b Understand a fraction as a number on the number line; represent fractions on a number line diagram.
b. Represent a fraction $\frac{a}{b}$ on a number line diagram by marking off a lengths $\frac{1}{b}$ from 0. Recognize that the resulting interval has size $\frac{a}{b}$ and that its endpoint locates the number $\frac{a}{b}$ on the number line.

1. Bridget divides a number line into eight equal parts.



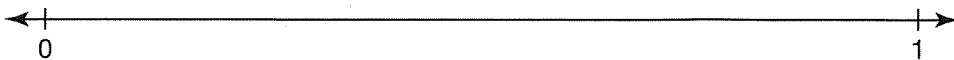
- a. Draw and label a point to show $\frac{5}{8}$.
- b. Explain how you knew where to draw the point for $\frac{5}{8}$.

2. Look at the letters on the number line.

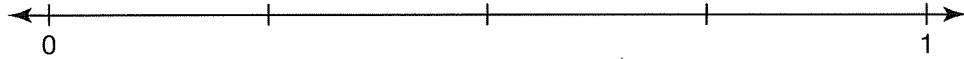


Which letter on the number line shows $\frac{5}{8}$? Explain how you know.

3. Divide the number line between 0 and 1 into four equal parts. Then draw and label a point to show $\frac{2}{4}$.

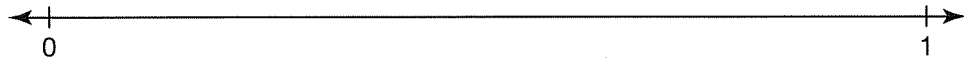


4. a. Draw and label a point to show $\frac{3}{4}$ on the number line.



- b. Explain how you knew where to draw the point for $\frac{3}{4}$.

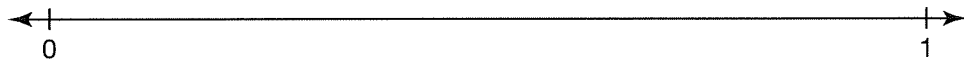
5. a. Divide the number line between 0 and 1 into three equal parts.



- b. What fraction names the size of each equal part? _____

- c. Draw and label a point at $\frac{2}{3}$ on the number line.

6. a. Divide the number line between 0 and 1 into six equal parts.



- b. Explain how you used tick marks to show sixths on the number line.

- c. Draw and label a point to show $\frac{3}{6}$ on the number line.