

Assessment : Section A Checkpoint

Problem 1

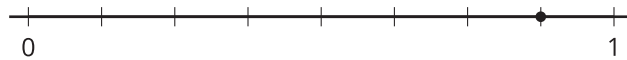
Goals Assessed

- Reason about the location of fractions on the number line.

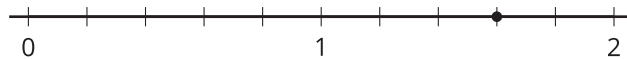
Statement

Label the point on each number line with a fraction it represents.

1.



2.



Solution

- $\frac{7}{8}$, because there are 8 equal parts in 1 and the point is on the 7th tick.
- $\frac{8}{5}$, because there are 5 tick marks in each whole and the point is on the 8th tick.

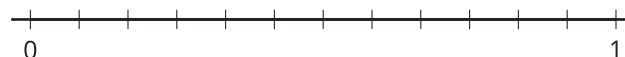
Problem 2

Goals Assessed

- Make sense of fractions with denominators 2, 3, 4, 5, 6, 8, 10, and 12 through physical representations and diagrams.
- Reason about the location of fractions on the number line.

Statement

Is $\frac{7}{12}$ greater than or less than $\frac{1}{2}$? Explain your reasoning. Use the number line if it is helpful.



Solution

$\frac{7}{12}$ is greater than $\frac{1}{2}$ because it's the 7th tick mark and it's more than halfway to 1.

Problem 3

Goals Assessed

- Make sense of fractions with denominators 2, 3, 4, 5, 6, 8, 10, and 12 through physical representations and diagrams.
- Reason about the location of fractions on the number line.

Statement

Explain why $\frac{4}{12}$ is equivalent to $\frac{1}{3}$. Use the number line if it is helpful.



Solution

If I divide each third into 4 equal pieces those are twelfths and $\frac{1}{3}$ is on the 4th tick mark.

