

Fractions on a number line

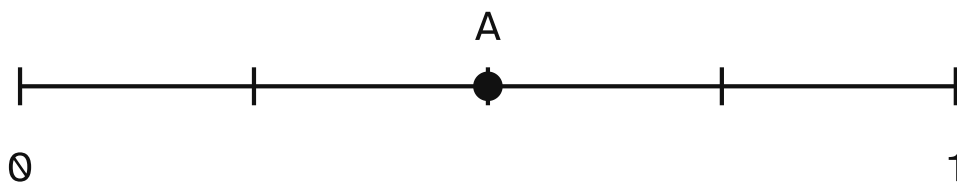
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Use the explanations to discuss the idea. A worked answer is one example; equivalent answers may also be valid.

1. Place a point at $\frac{2}{4}$. The distance from 0 to 1 is one whole.

$\frac{1}{2}$

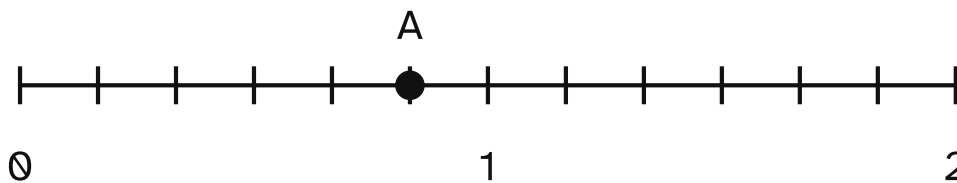
A is 2 spaces of $\frac{1}{4}$ from zero: $\frac{2}{4}$.



2. What fraction names point A? The distance from 0 to 1 is one whole.

$\frac{5}{6}$

A is 5 spaces of $\frac{1}{6}$ from zero: $\frac{5}{6}$.



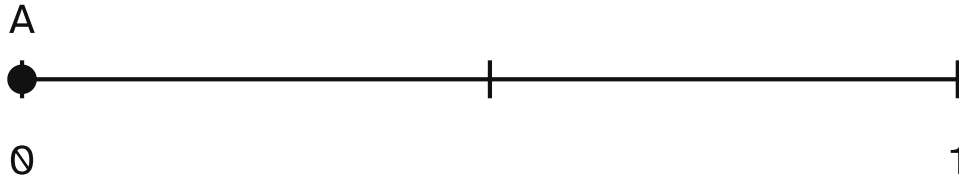
Fractions on a number line

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3. What fraction names point A? The distance from 0 to 1 is one whole.

0

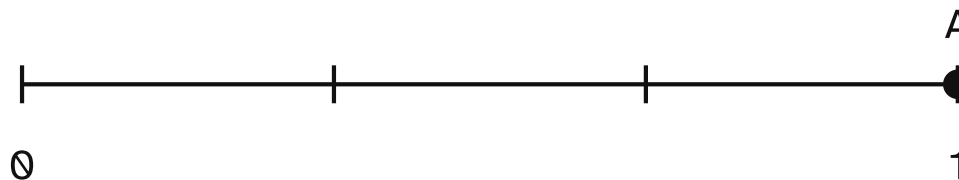
A is 0 spaces of $\frac{1}{2}$ from zero: $\frac{0}{2}$.



4. What fraction names point A? The distance from 0 to 1 is one whole.

1

A is 3 spaces of $\frac{1}{3}$ from zero: $\frac{3}{3}$.



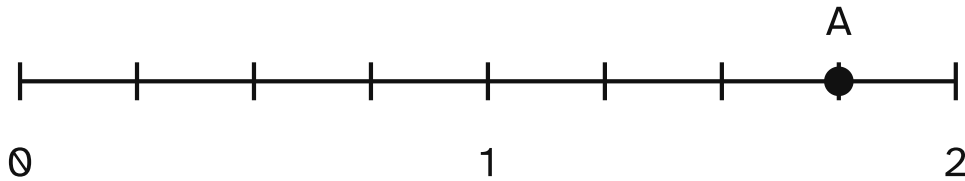
Fractions on a number line

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5. What fraction names point A? The distance from 0 to 1 is one whole.

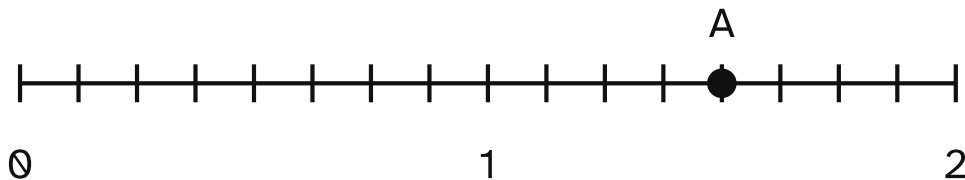
$\frac{7}{4}$

A is 7 spaces of $\frac{1}{4}$ from zero: $\frac{7}{4} = 1 \frac{3}{4}$.



6. What fraction names point A? The distance from 0 to 1 is one whole. Which reason would help you solve this correctly?

Each equal space is $\frac{1}{8}$ because 0 to 1 is one whole.



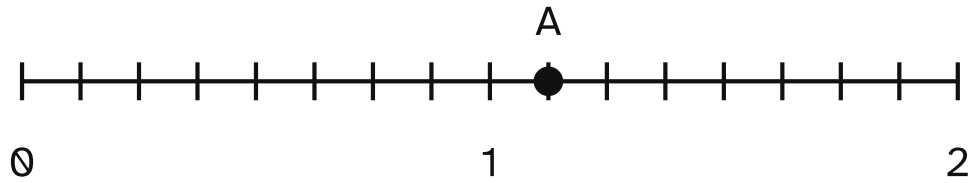
Fractions on a number line

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7. A is a distance measured in meters. What number names its position?

$\frac{9}{8}$

A is 9 spaces of $\frac{1}{8}$ from zero: $\frac{9}{8} = 1 \frac{1}{8}$.



8. Write the fraction shown by the one shaded part.

$\frac{1}{2}$

One out of 2 equal parts is $\frac{1}{2}$.

