

Fractions on a number line

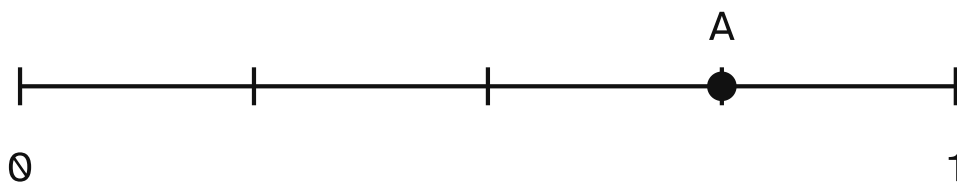
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Use the explanations to discuss the idea. A worked answer is one example; equivalent answers may also be valid.

1. Place a point at $\frac{3}{4}$. The distance from 0 to 1 is one whole.

$\frac{3}{4}$

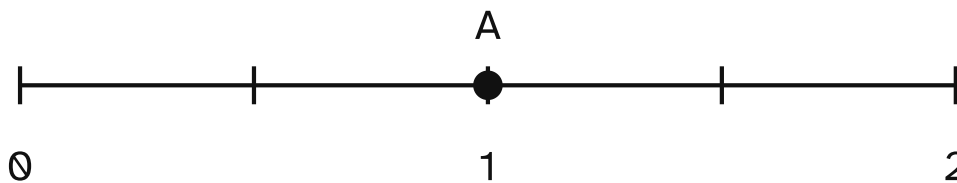
A is 3 spaces of $\frac{1}{4}$ from zero: $\frac{3}{4}$.



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

1

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



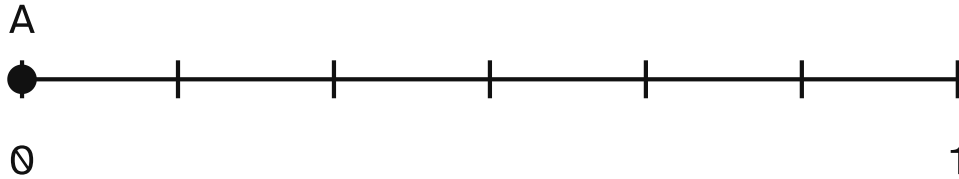
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3. What fraction names point A? The distance from 0 to 1 is one whole.

0

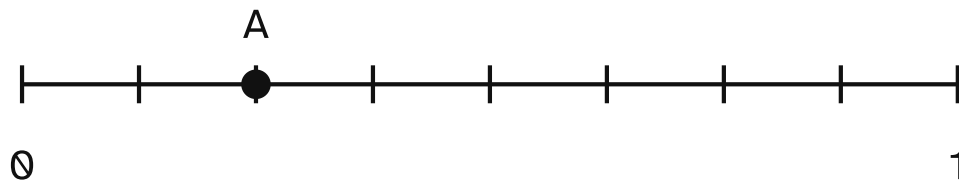
A is 0 spaces of $\frac{1}{6}$ from zero: $\frac{0}{6}$.



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

$\frac{1}{4}$

A is 2 spaces of $\frac{1}{8}$ from zero: $\frac{2}{8}$.



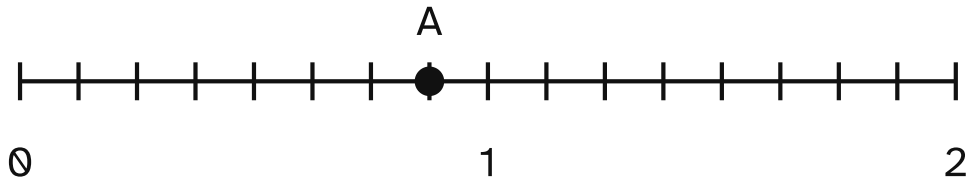
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5. What fraction names point A? The distance from 0 to 1 is one whole.

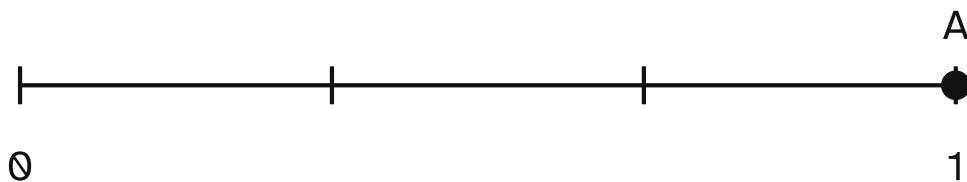
$\frac{7}{8}$

A is 7 spaces of $\frac{1}{8}$ from zero: $\frac{7}{8}$.



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 $\frac{1}{3}$ because 0 to 1 is one whole.



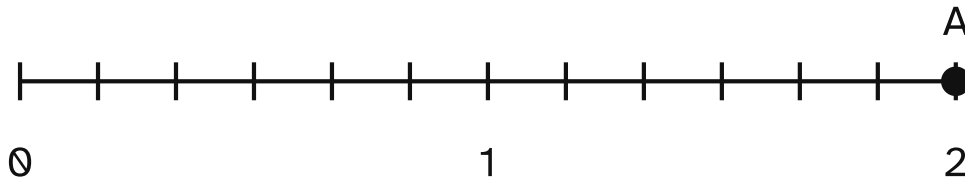
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7. A is a distance measured in meters. What number names its position?

2

A is 12 spaces of $\frac{1}{6}$ from zero: $12/6 = 2$.



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

$\frac{1}{3}$

One out of 3 equal parts is $\frac{1}{3}$.

