

Fractions on a number line

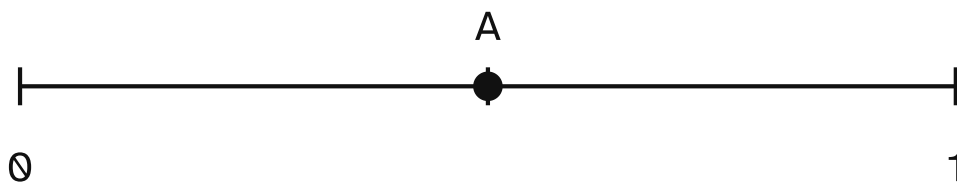
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Use the explanations to discuss the idea. A worked answer is one example; equivalent answers may also be valid.

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

$\frac{1}{2}$

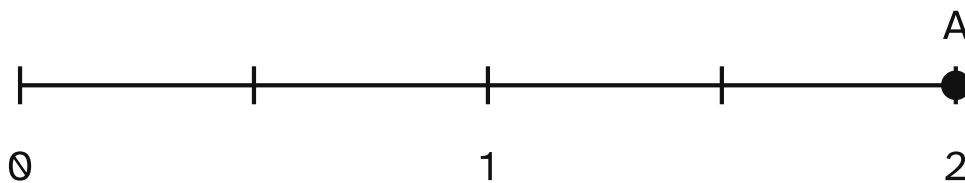
A is 1 spaces of $\frac{1}{2}$ from zero: $\frac{1}{2}$.



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

2

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



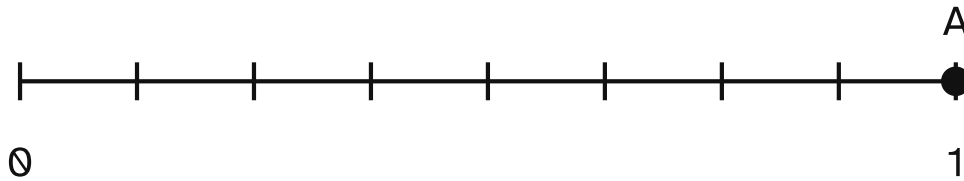
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3. What fraction names point A? The distance from 0 to 1 is one whole.

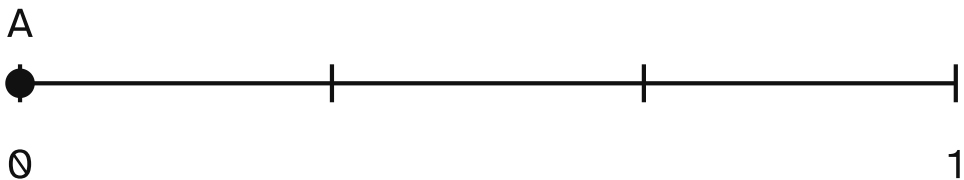
1

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



4. 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.



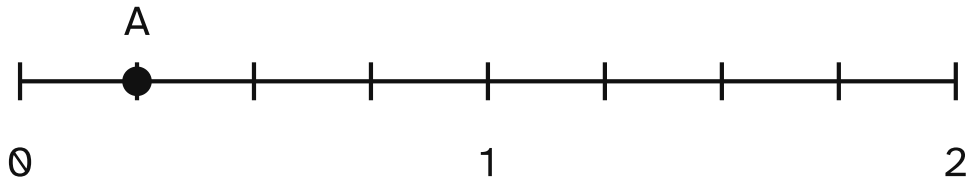
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5. A is a distance measured in meters. What number names its position?

$\frac{1}{4}$

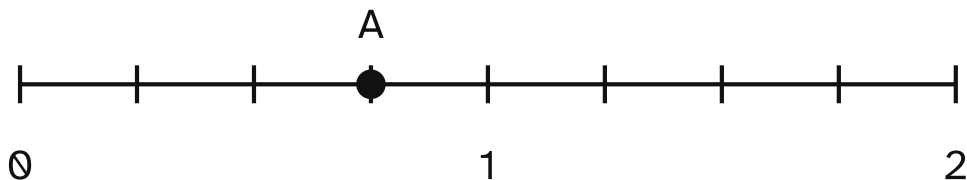
A is 1 spaces of $\frac{1}{4}$ from zero: $\frac{1}{4}$.



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

$\frac{3}{4}$

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



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

1/4

One out of 4 equal parts is 1/4.



8. What fraction of the whole is shaded?

2/3

4 out of 6 equal parts are selected, so the fraction is 4/6.

