

Fractions and Decimals on the Number Line

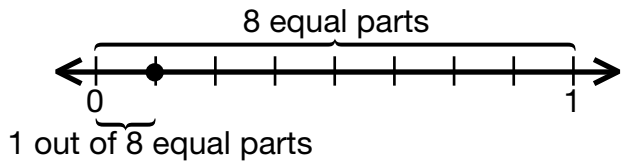
How do you locate fractions and decimals on a number line?

Show $\frac{1}{8}$ on a number line.

Draw a number line and label 0 and 1. Divide the distance from 0 to 1 into 8 equal lengths.

Label 0, $\frac{1}{8}$, $\frac{2}{8}$, $\frac{3}{8}$, $\frac{4}{8}$, $\frac{5}{8}$, $\frac{6}{8}$, $\frac{7}{8}$, and 1.

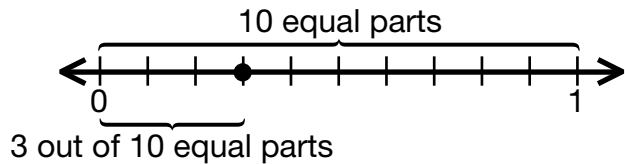
Draw a point at $\frac{1}{8}$.



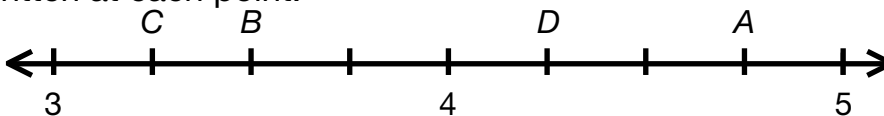
Show 0.3 on a number line.

Use the same number line. Divide the distance from 0 to 1 into 10 equal lengths.

Label 0.1, 0.2, 0.3, 0.4, and so on.



Use the number line to name the fraction or decimal that should be written at each point.



1. A _____ 2. B _____ 3. C _____ 4. D _____

Identify the correct point on the number line for each fraction or decimal.



5. $6\frac{1}{3}$ _____ 6. 5.3 _____ 7. $5\frac{2}{3}$ _____ 8. 6.8 _____