Name _____

Lesson 10-4
Number Lines and Equivalent Fractions

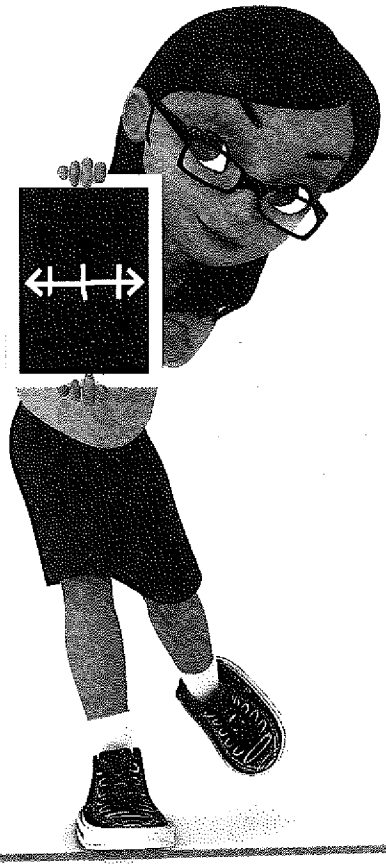
Solve & Share How can a point on the number line have more than one fraction name? ***Solve this problem any way you choose.***

TEKS 4.3G Represent fractions and decimals to the tenths or hundredths as distances from zero on a number line. Also, 4.3C.
Mathematical Process Standards 4.1C, 4.1D, 4.1F, 4.1G

Digital Resources at PearsonTexas.com

Solve | Learn | Glossary | Check | Tools | Games

You can use tools.
Number lines can help you show equivalent fractions. ***Show your work in the space below!***



Look Back!

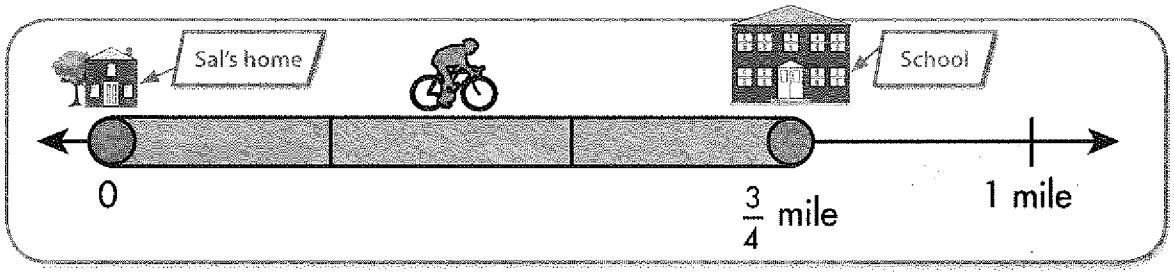
Construct Arguments Why can you always find another fraction name for any fraction point on the number line?

How Can You Find Equivalent Fractions on a Number Line?

A

Sal rode his bike $\frac{3}{4}$ mile to school. What is another name for $\frac{3}{4}$?

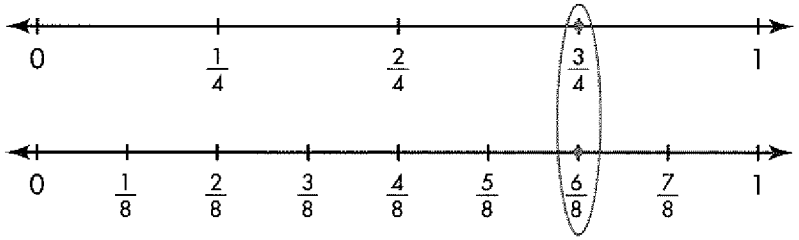
Number lines are another way to determine if two fractions are equivalent.



Draw a number line.

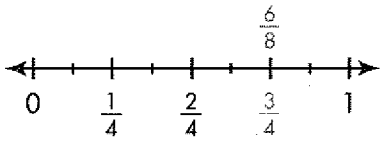
B

Show $\frac{3}{4}$ on a number line. Divide each fourth in half to show eighths. Find the fraction that names the same point as $\frac{3}{4}$.



C

Since $\frac{3}{4}$ and $\frac{6}{8}$ name the same point on the number line, they are equivalent fractions.



Do You Understand?

Convince Me! Complete the bottom number line to show a fraction other than $\frac{6}{8}$ that is equivalent to $\frac{3}{4}$.