Name _____

Lesson 10-5
Comparing Fractions

TEKS 4.3D Compare two fractions with different numerators and different denominators and represent the comparison using the symbols >, =, or <. Mathematical Process Standards 4.1C, 4.1D, 4.1E, 4.1F, 4.1G

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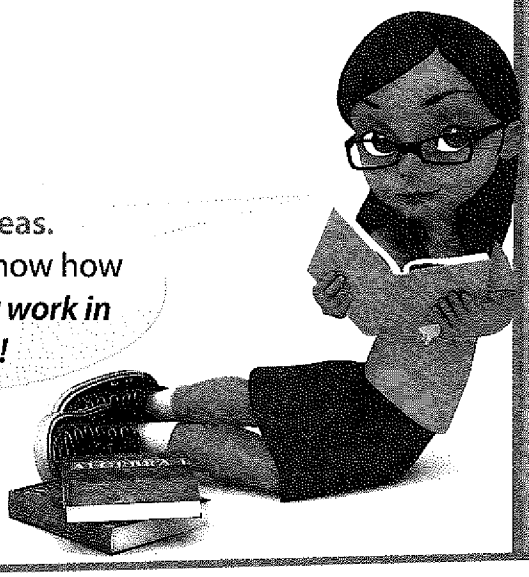
Solve & Share

Juan read for $\frac{5}{6}$ of an hour. Larissa read for $\frac{1}{3}$ of an hour. Who read for a longer period of time? Explain. ***Solve this problem any way you choose.***

You can connect ideas. What fractions do you know how to compare? ***Show your work in the space above!***



Look Back!

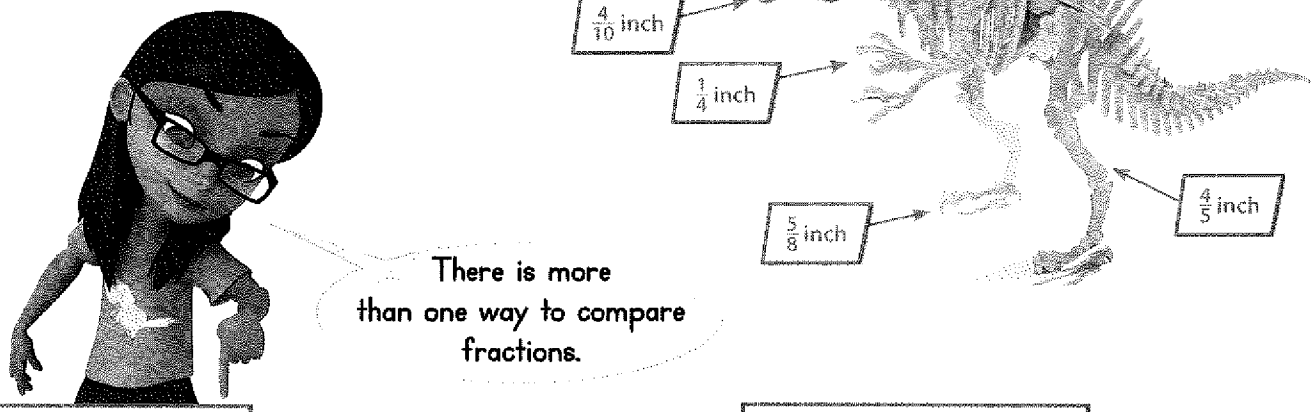
Communicate Write your answer with a number sentence using >, <, or =.

How Can You Compare Fractions With Unlike Denominators?

A

Isabella's father is building a model dinosaur with small pieces of wood.

Compare $\frac{1}{4}$ and $\frac{5}{8}$. Then compare $\frac{4}{5}$ and $\frac{4}{10}$.

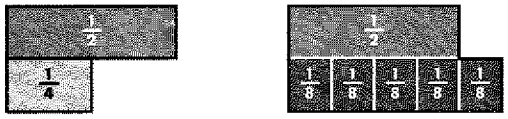


Compare to $\frac{1}{2}$.

B

The fraction $\frac{1}{2}$ can be used to compare some fractions. Use $\frac{1}{2}$ to compare $\frac{1}{4}$ and $\frac{5}{8}$. Use fraction strips.

$\frac{1}{4} < \frac{1}{2}$ $\qquad$ $\frac{5}{8} > \frac{1}{2}$

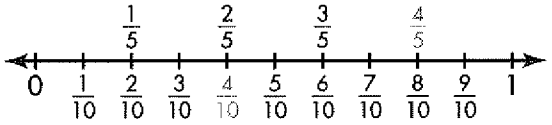


So, $\frac{1}{4} < \frac{5}{8}$.

Use number sense.

C

Compare $\frac{4}{5}$ and $\frac{4}{10}$ on a number line.



When two fractions have different denominators but the same numerators, the fraction with the greater denominator is less. So, $\frac{4}{10} < \frac{4}{5}$.

Do You Understand?

Convince Me! Kelly looked at the fractions on the right and said, "These are easy to compare. I just think about $\frac{1}{8}$ and $\frac{1}{6}$." Explain what Kelly was thinking.

Circle the greater fraction.

$\frac{5}{8}$ $\qquad$ $\frac{5}{6}$