## MY Homework

## Lesson 8

## Compare Fractions

## Homework Helper

Luis and Malcolm are both on the tennis team. Luis has won $\frac{1}{2}$ of his matches. Malcolm has won $\frac{1}{6}$ of his matches.
They both played the same number of matches. Who has won the greater fraction of matches?

Compare $\frac{1}{2}$ and $\frac{1}{6}$.


The models show that $\frac{1}{2}$ has a greater size than $\frac{1}{6}$.
So, $\frac{1}{2}>\frac{1}{6}$. Luis won a greater fraction of matches.

## Practice

Use the models to compare. Use $>,<$, or $=$.
1.

2.


$$
\frac{1}{3}<\frac{1}{2}
$$

$$
\frac{5}{6}>\frac{4}{6}
$$

Use the models to compare. Use $>,<$, or $=$.
3.




## Problem Solving

Mathematical 3 Justify Conclusions Harvey practiced the piano for $\frac{5}{8}$ of an hour. Annika practiced the piano for $\frac{5}{6}$ of an hour. Use the


| $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ |
| :--- | :--- | :--- | :--- | :--- | models to determine who practiced the piano for a longer period of time.

Annika practiced the piano longer.

Mathematical
6. PRACTICE $\sqrt[5]{ }$ Use Math Tools The average housecat sleeps about $\frac{2}{3}$ of a day. Most people
 sleep about $\frac{1}{3}$ of the day. Do housecats or people sleep for a greater fraction of the day? Graph both fractions on the number line to compare.

Housecats sleep for a greater fraction of the day.

## Test Practice

7. The number line shows which of the following fractions is less than $\frac{2}{4}$ ?

(A) $\frac{1}{4}$
(C) $\frac{3}{4}$
(B) $\frac{2}{4}$
(D) $\frac{4}{4}$
