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## Lesson 2 Reteach

## Complex Fractions and Unit Rates

Fractions like $\frac{2}{\frac{3}{4}}$ are called complex fractions. Complex fractions are fractions with a numerator, denominator, or both that are also fractions.

## Example 1

Simplify $\frac{2}{\frac{3}{4}}$.
A fraction can also be written as a division problem.

$$
\begin{aligned}
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\frac{2}{3} & =2 \div \frac{3}{4} \\
& \text { Write the complex fraction as a division problem. } \\
& =\frac{2}{1} \times \frac{4}{3}
\end{aligned} & \text { Multiply by the reciprocal of } \frac{3}{4} \text { which is } \frac{4}{3} . \\
\text { So, } \frac{2}{3} \text { or } 2 \frac{2}{4} \text { is equal to } 2 \frac{2}{3} . & \text { Simplify. }
\end{aligned}
$$

## Exercises

Simplify.

1. $\frac{3}{\frac{1}{3}}$
2. $\frac{5}{7}$
3. $\frac{4}{\frac{1}{5}}$
4. $\frac{2}{4}$
5. $\frac{1}{4}$
6. $\frac{10}{\frac{7}{8}}$
7. $\frac{\frac{3}{5}}{7}$
8. $\frac{\frac{1}{6}}{\frac{5}{6}}$
9. $\frac{\frac{4}{5}}{\frac{9}{10}}$
10. $\frac{\frac{3}{5}}{\frac{3}{10}}$
