Skill Practice 3
Simplifying Fractions

Simplify the following fractions. Show your work.

\[
\frac{12}{30} \div \frac{6}{6} = \frac{2}{5} \quad \frac{20}{24} = \quad \frac{63}{70} = \quad
\]

\[
\frac{5}{15} = \quad \frac{27}{45} = \quad \frac{10}{20} = \quad
\]

\[
\frac{3}{18} = \quad \frac{18}{27} = \quad \frac{24}{32} = \quad
\]

Now that you’ve got the hang of it, look closely at the following fractions. They do not simplify very well, but they are very close to a simplifiable fraction. For example, \( \frac{51}{100} \) cannot be simplified, but we know that \( \frac{50}{100} = \frac{1}{2} \). So, \( \frac{50}{100} \) can be approximated to \( \frac{1}{2} \). Be sure to show your work.

\[
\frac{16}{63} \approx \frac{1}{4} \quad \frac{75}{99} \approx \quad \frac{13}{25} \approx \quad
\]

\[
\approx \frac{16}{64} = \frac{1}{4}
\]

\[
\frac{19}{100} \approx \quad \frac{11}{72} \approx \quad \frac{41}{63} \approx \quad
\]

\[
\frac{28}{71} \approx \quad \frac{24}{97} \approx \quad \frac{18}{95} \approx \quad
\]