



## Skill Practice

# 1

### Simplifying Fractions

☼ Simplify the following fractions. Show your work.

$$\frac{15}{30} \stackrel{\div 15}{=} \frac{1}{2}$$

$$\frac{16}{80} = \frac{1}{5}$$

$$\frac{18}{24} = \frac{3}{4}$$

$$\frac{45}{54} = \frac{5}{6}$$

$$\frac{55}{66} = \frac{5}{6}$$

$$\frac{18}{72} = \frac{1}{4}$$

$$\frac{14}{42} = \frac{1}{3}$$

$$\frac{27}{54} = \frac{1}{2}$$

$$\frac{35}{50} = \frac{7}{10}$$

☼ 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, **19/60** cannot be simplified, but we know that **20/60 = 1/3**. So, **19/60** can be approximated to **1/3**. Be sure to show your work.

$$\frac{19}{30} \approx \frac{2}{3}$$

$$\frac{14}{41} \approx \frac{1}{3}$$

$$\frac{20}{81} \approx \frac{1}{4}$$

$$\approx \frac{20 \div 10}{30 \div 10} \rightarrow \frac{2}{3}$$

$$\frac{24}{49} \approx \frac{1}{2}$$

$$\frac{17}{80} \approx \frac{1}{5}$$

$$\frac{27}{37} \approx \frac{3}{4}$$

$$\frac{23}{72} \approx \frac{1}{3}$$

$$\frac{13}{21} \approx \frac{2}{3}$$

$$\frac{99}{100} \approx 1$$