MATH FRACTIONS

Skill Practice 1

Simplifying Fractions

Simplify the following fractions. Show your work.

$\frac{15}{30} \overset{\div 15}{\underset{\div 15}{=}} \frac{1}{2}$ $\quad \frac{16}{80} = \_\_\_$ $\quad \frac{18}{24} = \_\_\_$

$\frac{45}{54} = \_\_\_$ $\quad \frac{55}{66} = \_\_\_$ $\quad \frac{18}{72} = \_\_\_$

$\frac{14}{42} = \_\_\_$ $\quad \frac{27}{54} = \_\_\_$ $\quad \frac{35}{50} = \_\_\_$

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.

$\frac{19}{30} \approx \frac{2}{3}$ $\quad \frac{14}{41} \approx \_\_\_$ $\quad \frac{20}{81} \approx \_\_\_$

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

$\frac{24}{49} \approx \_\_\_$ $\quad \frac{17}{80} \approx \_\_\_$ $\quad \frac{27}{37} \approx \_\_\_$

$\frac{23}{72} \approx \_\_\_$ $\quad \frac{13}{21} \approx \_\_\_$ $\quad \frac{99}{100} \approx \_\_\_$