Answer Sheet

MATH FRACTIONS

Skill Practice 3

Simplifying Fractions

Simplify the following fractions. Show your work.

$\frac{12}{30} \overset{\div 6}{\underset{\div 6}{=}} \frac{2}{5}$ $\quad \frac{20}{24} = \frac{5}{6}$ $\quad \frac{63}{70} = \frac{9}{10}$

$\frac{5}{15} = \frac{1}{3}$ $\quad \frac{27}{45} = \frac{3}{5}$ $\quad \frac{10}{20} = \frac{1}{2}$

$\frac{3}{18} = \frac{1}{6}$ $\quad \frac{18}{27} = \frac{2}{3}$ $\quad \frac{24}{32} = \frac{3}{4}$

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, ***51/100*** cannot be simplified, but we know that ***50/100 = 1/2***. So, ***50/100*** can be approximated to ***1/2***. Be sure to show your work.

$\frac{16}{63} \approx \frac{1}{4}$ $\quad \frac{75}{99} \approx \frac{3}{4}$ $\quad \frac{13}{25} \approx \frac{1}{2}$

$\approx \frac{16}{64} \overset{\div 16}{\underset{\div 16}{\rightarrow}} \frac{1}{4}$

$\frac{19}{100} \approx \frac{1}{5}$ $\quad \frac{11}{72} \approx \frac{1}{6}$ $\quad \frac{41}{63} \approx \frac{2}{3}$

$\frac{28}{71} \approx \frac{2}{5}$ $\quad \frac{24}{99} \approx \frac{1}{4}$ $\quad \frac{19}{98} \approx \frac{1}{5}$