

Simplify the following fractions. Show your work.

$$\frac{22 \div 22}{66 \div 22} = \frac{1}{3}$$

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  $\frac{15}{20} = \frac{28}{42} = \frac{2}{42}$ 

$$\frac{12}{36} = \frac{28}{35} = \frac{24}{40} = \frac{2}{40}$$

$$\frac{19}{76} = \frac{18}{60} = \frac{23}{46} = \frac{23}{46}$$

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, 45/61 cannot be simplified, but we know that **45/60 = 3/4**. So, **45/61** can be approximated to **3/4**. Be sure to show your work.

$$\frac{45}{51} \approx \frac{9}{10}$$

$$\frac{11}{45} \approx ---$$

$$\frac{45}{51} \approx \frac{9}{10}$$
  $\frac{11}{45} \approx \frac{13}{24} \approx \frac{13}{24}$ 

$$\approx \frac{45 \div 5}{50 \div 5} \to \frac{9}{10}$$

$$\frac{23}{30} \approx \frac{89}{90} \approx \frac{31}{36} \approx \frac{31$$