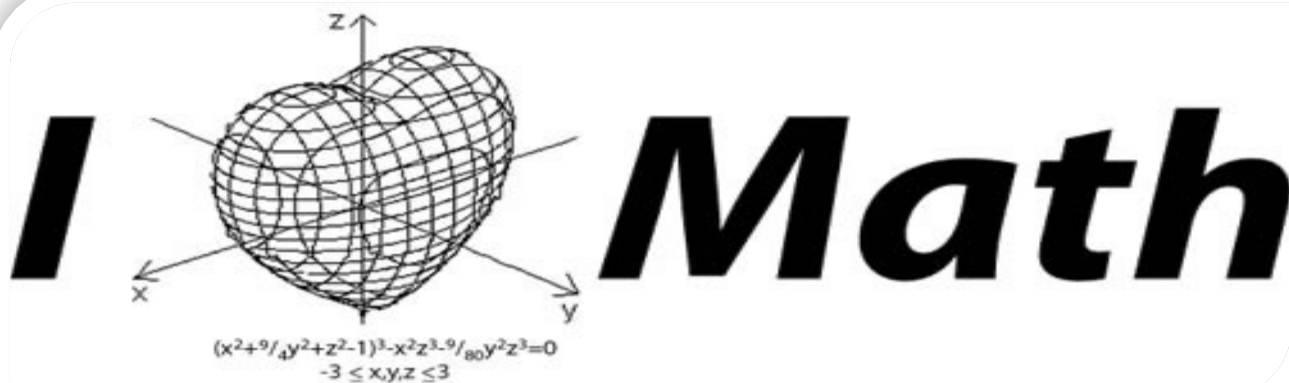


2.3 (page 72) Dividing Mixed Numbers



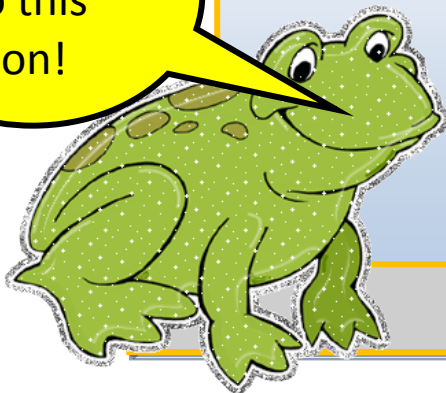
Step 1

Change your **mixed numbers** into **improper fractions** (see lesson 2.1).

Example: $3 \frac{1}{3} \div 1 \frac{2}{3} =$

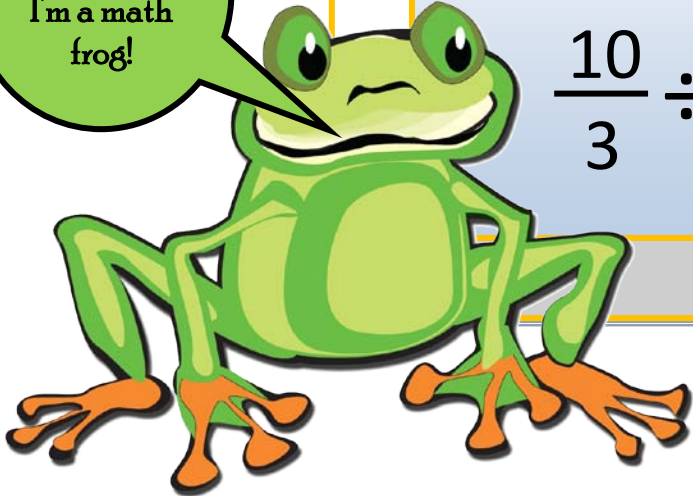
$\frac{10}{3} \div \frac{5}{3} =$

Hop right into this lesson!



Step 2

Don't
dissect me!
I'm a math
frog!



Change the division problem into multiplication by finding the **RECIPROCAL** of the divisor (the second number).

$$\frac{10}{3} \div \frac{5}{3} \xrightarrow{\text{BECOMES}} \frac{10}{3} \times \frac{3}{5}$$

Step 3

Cancel if necessary and multiply.

$$\frac{\overset{2}{\cancel{10}}}{\underset{1}{\cancel{3}}} \times \frac{\overset{1}{\cancel{3}}}{\underset{1}{\cancel{5}}} = \frac{2}{1} = 2$$

Watch out...the
math monster is
trying to eat me!



Examples for your notes:

$$8\frac{1}{3} \div 3\frac{1}{3} =$$

$$10\frac{2}{5} \div 2\frac{3}{5} =$$

