

**Prealgebra ~ Lesson 22**

Work the following examples as you listen to the recorded lecture.

**Dividing Fractions**Steps to Divide Fractions:

1. Flip the second fraction
2. Change the operation to multiplication
3. Follow the steps to multiply fractions

*Hints:*

1. You can always reduce individual fractions
2. Do not cross reduce until you have flipped the second fraction and changed the operation to multiplication

Divide the following fractions:

Example 1:  $\frac{2}{93} \div \frac{5}{6}$

Example 2:  $-\frac{6}{15} \div \frac{12}{5}$

Example 3:  $-\frac{4}{15} \div -\frac{8}{3}$

Example 4:  $\frac{9z}{20} \div \frac{2}{9}$

Example 5:  $-\frac{2}{3} \div 4$

Example 6:  $15c^3 \div \frac{3c^2}{5}$

Example 7:  $-\frac{4}{35} \div \left(\frac{4}{5} \cdot \frac{3}{7}\right)$