

Prealgebra ~ Lesson 21

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

Multiplying Fractions

Steps to Multiplying Fractions:

1. Cross-reduce
2. Multiply numerators
3. Multiply denominators
4. Reduce, if needed

Multiply the following fractions:

Example 1: $\frac{5}{9} \cdot \frac{7}{4}$

Example 2: $\frac{18x}{20} \cdot \frac{36}{99}$

Example 3: $3a^2 \cdot \frac{1}{4}$

Example 4: $\frac{x^3}{y^3} \cdot \frac{y^2}{x}$

Example 5: $\frac{11}{20} \cdot \frac{1}{7} \cdot \frac{5}{22}$

Example 6: $-\left(\frac{2}{3}\right)^2$