Lesson 5-4 Multiply and Divide Fractions

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Mr. Marroquin Pre-Algebra Class 7th Grade



Examples (4)

$$\frac{2}{5}\left(\frac{1}{3}\right) = \frac{2}{15}$$
 $-\frac{5}{6} \cdot \frac{2}{3} = -\frac{5}{9}$
 $\frac{7}{8} \cdot \frac{5}{9} = \frac{35}{72}$ $-\frac{1}{4}\left(-\frac{3}{8}\right) = \frac{3}{32}$

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• If the denominators and numerators have a common factor then you can simplify before multiplying.

$$\frac{9}{15} \times \frac{5}{9}$$

Examples using cross cancel (2)

$$\frac{2}{3} \times \frac{6}{7} = -\frac{5}{14} \times \frac{21}{25} \times$$





Dividing fractions

• Steps

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Multiply the dividend by the reciprocal of the divisor and then follow multiplication rules for fractions
EX-

Examples (2)

$$\frac{5}{8} \div \frac{2}{3} = \frac{5x}{9} \div \frac{10x}{27}$$

What if I divide and there are mixed numbers??

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• Convert any mixed numbers to improper fractions before multiplying

Classwork / Homework

- PB 5-4
- HW: Pg 243 18-68even
- READ Lesson 5-5
- \bullet OH and eat some Turkey after you have done my homework