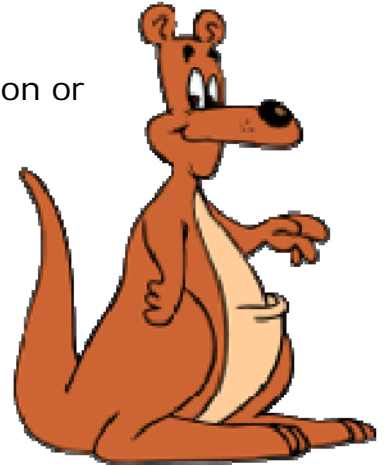Name _____   Date _____

Products of Mixed Numbers - Step-by-Step Lesson

Multiply. Simplify your answer and write it as a proper fraction or as a whole or mixed number.

a) $7\frac{2}{6}$ x $-3\frac{1}{3}$ =

b) What is the multiplicative inverse of $\frac{4}{9}$?

Explanation:

a) positive × negative = negative

To multiply two fractions, multiply the numerators and multiply the denominators.

Write mixed numbers as improper fractions.

$7\frac{2}{6}$ x $-3\frac{1}{3}$ = $\frac{44}{6}$ x $\frac{-10}{3}$ = $\frac{-440}{18}$

Simplify the answer.

$\frac{-440}{18}$ = $-24\frac{8}{18}$

b) You can find the multiplicative inverse of a fraction by switching the numerator and the denominator.

You can make a reciprocal by switching the numerator and denominator.

$\frac{4}{9}$ → $\frac{9}{4}$