Name _____   Date _____

Reciprocals - Step-by-Step Lesson

a. Give the reciprocal for the following fraction:

$\frac{2}{5}$

b. Write the reciprocal of the following mixed number:

$3\frac{3}{4}$

Explanation:

A reciprocal of a fraction is just when the numerator and denominator switch places.

A normal fraction is set up like this: <u>Numerator</u>

Denominator

The reciprocal of that fraction would be: <u>Denominator</u>

Numerator

a. We would just flip the numerator and denominator: $\frac{2}{5}$ that would equal $\frac{5}{2}$

b. We would follow the same pattern, but we would first convert the mixed number to an improper fraction:

$3\frac{3}{4} = \frac{15}{4}$

Now take the reciprocal of $\frac{15}{4}$ by flipping the numerator and denominator $\frac{4}{15}$.