Math 8   Name: Date:

Sec 3.6 Dividing Fractions (Keep, Change, Flip!)

1. Reciprocals – to write the reciprocal of a number, flip the numerator and denominator.

➢ eg. The reciprocal of $\frac{5}{6}$ is

When the original number is multiplied by its reciprocal the result is _____.

➢ eg. $\frac{5}{6}$ ×

Examples – Write the reciprocals.

a) $\frac{3}{4}$ b) $\frac{6}{7}$

2. Dividing a Fraction by a Fraction

Dividing a fraction by a fraction is the same as _____.

➢ eg. Divide $\frac{3}{4} \div \frac{5}{6}$

Practice

1.

a) $\frac{3}{4} \div \frac{2}{5}$ b) $\frac{7}{8} \div \frac{1}{2}$ c) $\frac{8}{9} \div \frac{2}{3}$ d) $\frac{6}{5} \div \frac{3}{4}$

2. Ms. Lo went to buy a pizza for some students. On her way home, she was so hungry, she ate 1/12 of the pizza, leaving 11/12 of the pizza uneaten. If she has to split the remaining pizza into slices that are the size of 1/24, how many people can eat the pizza?