Unit 1A Study Guide: Improper Fractions, Mixed Numbers, & Fraction Division

Name:_____ Period: _____ Due Date: _____

Fraction Background Skills			
What is the reciprocal of $\frac{2}{9}$?	Write $2\frac{3}{4}$ as an improper fraction.	Write $\frac{9}{6}$ as a mixed number.	Write 5 fractions equivalent to $\frac{4}{10}$, including the simplest form.
What is the reciprocal of $\frac{18}{27}$?	Write $12\frac{2}{7}$ as an improper fraction.	Write $\frac{75}{9}$ as a mixed number.	Write 5 fractions equivalent to $\frac{14}{21}$, including the simplest form.

Fraction Division	Standard- 6.NS.1		
$\frac{1}{4} \div \frac{5}{6} =$	$1\frac{3}{4} \div 3\frac{3}{5} =$	$7\frac{1}{2} \div 12 =$	$\frac{2}{3} \div 3 =$
$\frac{2}{3} \div \frac{4}{7} =$	$2\frac{1}{4} \div 1\frac{3}{8} =$	$6 \div 2\frac{1}{3} =$	$\frac{2}{9} \div 4 =$

A $\frac{5}{7}$ lb bar of chocolate is shared evenly to 4 friends. How much chocolate will each person get?	You have $4\frac{5}{8}$ lbs of Skittles. You want to give your friends $\frac{1}{4}$ lb. each. How many friends will get Skittles before you run out?	A serving of pudding is $\frac{3}{4}$ c. How many servings are in $3\frac{1}{4}$ c pudding?	Manuel ordered 6 super sub sandwiches. Each $\frac{1}{3}$ of a sandwich is 1 serving. Including Manuel, there will be 16 people at the party. If each guest eats $\frac{1}{3}$ of a super sub sandwich, did he order enough sandwiches?
Sabrina and Jake are at soccer camp. The length of a soccer practice is $\frac{2}{3}$ hour. The coaches have set aside 8 hours for practice. How many soccer practices can the coaches have?	Carmen walked $2\frac{1}{2}$ miles in $\frac{3}{4}$ hour. What was her average walking speed, in miles per hour?	A bottle contains 6 cups of juice. The juice is poured into glasses that hold $\frac{3}{4}$ cup each. How many glasses can be filled with juice?	Write a word problem for the number sentence $\frac{2}{3} \div \frac{3}{4}$. (Hint: this would translate to "how many $\frac{3}{4}$ are in $\frac{2}{3}$?")