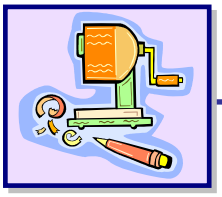

Practice: Comparing and Converting Fractions and Mixed Numbers

1. Kyle, the baker, knows the importance of adding ingredients to his dishes in the proper order. In the two recipes below, he must add the ingredients in order from greatest to least. Using the charts below, record the order in which Kyle should add the ingredients.

Ingredient	Amount (in cups)	Order (1st, 2nd, 3rd and 4th)
Sugar	$1\frac{1}{4}$	
Flour	$\frac{3}{4}$	
Salt	$\frac{1}{4}$	
Milk	$1\frac{3}{4}$	

Ingredient	Amount (in teaspoons)	Order (1st, 2nd, etc.)
Salt	$\frac{1}{6}$	
Baking Soda	$\frac{5}{6}$	
Sugar	$1\frac{4}{6}$	
Pepper	$\frac{3}{6}$	
Baking Powder	$1\frac{2}{6}$	
Cream of Tartar	$\frac{4}{6}$	

2. Convert the following mixed numbers into improper fractions using mathematical operations.

   a) $3\frac{1}{2}$

   b) $5\frac{1}{3}$

   c) $6\frac{2}{5}$

   d) $1\frac{3}{4}$

   e) $2\frac{2}{7}$

3. Convert the following improper fractions into mixed numbers using mathematical operations.

   a) $\frac{24}{5}$

   b) $\frac{14}{3}$

   c) $\frac{11}{2}$

   d) $\frac{27}{6}$

   e) $\frac{18}{4}$

4. Sasha's home economics teacher is also her math teacher. Today he is having Sasha's class make a German bread called Reehah. He writes the recipe on the board as follows:

   $\frac{10}{3}$ cups of flour

   $\frac{12}{4}$ eggs

   $\frac{16}{8}$ teaspoons of salt

   $\frac{21}{5}$ cups of milk

   $\frac{18}{6}$ tablespoons oil

   Sasha is using standard measuring utensils to make Reehah. Convert the recipe above into standard measuring terms (mixed numbers).

5. With a partner, use a variety of strategies, such as cut-out or shaded shapes, fraction circles and/or number lines to display and compare fractions and mixed numbers with the same denominator.

6. Complete the following chart by converting improper fractions into mixed numbers and mixed numbers into improper fractions.

Improper Fraction	Mixed Number
$\frac{19}{7}$	
$\frac{33}{4}$	
	$4\frac{5}{6}$
$\frac{22}{5}$	
	$3\frac{2}{9}$
	$9\frac{4}{5}$
$\frac{38}{6}$	
	$6\frac{1}{4}$
	$5\frac{3}{8}$
$\frac{11}{2}$	
	$9\frac{2}{3}$
$\frac{25}{8}$	
$\frac{14}{3}$	
	$10\frac{4}{5}$

7. Complete the following chart by converting improper fractions into mixed numbers and mixed numbers into improper fractions.

Improper Fraction	Mixed Number
$\frac{17}{4}$	
$\frac{29}{7}$	
	$3\frac{4}{6}$
$\frac{18}{5}$	
	$2\frac{5}{9}$
	$6\frac{1}{5}$
$\frac{31}{6}$	
	$5\frac{2}{3}$
	$7\frac{3}{8}$
$\frac{9}{2}$	
	$4\frac{2}{7}$
$\frac{16}{3}$	
$\frac{27}{8}$	
	$7\frac{2}{3}$