Name_____   Date _____

Mr. Tallman   Math 7-8A

Do Now

Using words from the word bank, write words that indicate each mathematical operation.

Addition	**Subtraction**	**Multiplication**	**Division**	**Word Bank**
				Total
				Product
				"How much more than"
				Per
				Difference
				Quotient
				"How much greater/less"
				Combined
				"How many times greater"
				"How far apart"

Lesson #16 – Applying Operations with Fractions

Example 1) The temperature at noon is $0°C$. The temperature changes $\frac{-3}{2}°C$ every hour for four hours. What is the temperature at 4:00 pm?

What operation will we be doing? _____

What expression can we write to solve the problem? _____

Example 2) During the day, the temperature increases by $3\frac{1}{2}°$. At night, the temperature decreases by $5\frac{1}{2}°$. What is the overall change in temperature?

What operation will we be doing? _____

What expression can we write to solve the problem? _____

Example 3) Joe is diving $3\frac{1}{2}$ feet below sea level. He then decides to descend $8\frac{3}{4}$ more feet. How many feet below sea level is he?

What operation will we be doing? _____

What expression can we write to solve the problem? _____

Example 4) Janice is making brownies. Her brownie recipe calls for $\frac{1}{3}$ of a cup of brownie mixture per serving. How many servings of brownies can Janice make if she has a bag that contains $5\frac{2}{3}$ cups of brownie mix?

What operation will we be doing? _____

What expression can we write to solve the problem? _____

Now, You Try!

5) Gus adds $\frac{3}{4}$ of a cup of chicken stock to a pot. Then he takes $\frac{1}{8}$ of a cup of stock out of the pot. What is the overall increase or decrease in the amount of chicken stock in the pot?

6) At the start of a trip, a car's gas tank contains $5\frac{1}{4}$ gallons of gasoline. During the trip, the car consumes $2\frac{1}{3}$ gallons of gas. How much gasoline is left in the tank?

7) Greg sets his watch for the correct time on Wednesday. Exactly one week later, he finds that his watch has lost $3\frac{1}{4}$ minutes. If his watch continues to lose time at the same rate, what will be his overall change in time after 8 weeks?

8) A recipe for a loaf of banana bread requires $\frac{3}{4}$ of a cup of brown sugar. Shelley has a bag with exactly $4\frac{1}{2}$ cups of brown sugar in it. What is the maximum number of loaves of banana bread that Shelley can make using her bag of brown sugar?