Name: _____   Date: _____

Section 8.2 Math Link

This worksheet will help you with the Math Link on page 313.

A slice of canned corned beef contains about 0.21 g of sodium. This much sodium is 0.01 g more than the mass of sodium in four slices of roast beef. What is the mass of sodium in a slice of roast beef?

a) Create an equation from the above information. Let r represent one slice of roast beef. The mass of sodium in four slices, plus 0.01 g, is equal to the mass of sodium is in a slice of corned beef. Write an equation that represents this situation.
b) Solve the equation you created in part a). Show all your work.
c) Other methods you could use to represent this situation include a number line and coins and cups. What other methods can you think of? Show one of these methods.
d) Which of your solution methods do you prefer? Explain.