One-Step Equations, Addition + Subtraction: V2

Name: _____

Curricular Competency: Estimate reasonably

Look at the following equation. Provide a rough estimate of what you assume the answer to be. Then, explain, with as much detail as possible, how it is that you came up with that estimate. DO NOT CALCULATE. Just estimate.

$$314 = x - 104$$

Curricular Competency: Reflect on mathematical thinking

Which equation is easier for you, and why? Explain with as many details as possible.

$x + 113 = 219$ $45 = x - 211$

Curricular Competency: Model mathematics in contextualized experiences

You are in charge of your school's chess team. You have to add three people, in order for the team to be the minimum requirement of 20 people. How many players do you currently have? Write down an equation that would represent this word problem.

Curricular Competency: Explain and justify mathematical ideas and decisions

You will be given a word problem, and you need to decide if the equation accurately represents what is being asked. You need to explain in your own words and ideas, why it is that you either AGREE or DISAGREE with the equation that was given.

Word problem: "Emmy buys strawberry pocky sticks for her candy sleepover party. She currently has 15 boxes of pocky sticks, but she needs 20 boxes in total, because she knows that she and Rhonda are planning on eating lots of pocky sticks. How many strawberry pocky stick boxes does she still need to buy?"

Equation: 15 + 20 = x

Curricular Competency: Visualize to explore mathematical concepts

You will be given an equation. Your job is to think of a scenario in which this equation would represent something in real life (like the number of candies that someone buys, or the amount of money in change, or the number of soccer goals, etc). You will draw out what each component represents. You will then explain in words what your drawings represent. You only need drawings for the number 4, the letter x, and the number 2.

4	=	x	+	2