**Formative Assessment Lesson 1-11-13**

**LTM3: I can add and subtract within 100 to solve two-step word problems with unknowns in all positions.**

**\*To warm up students will use the commit and toss strategy to just get some ideas about strategies to use before they complete the actual FAL. Students will be given 5 minutes to list as many addition and subtraction strategies they know. Students will then wad up their paper with only strategies on it and not their name. They will toss the paper into a goal. Students will go and grab another person’s paper wad and then decide if it is a strong or weak model of work. We will discuss what strong work would looks like due to students having viable strategies for addition and subtraction for about 5 minutes.**

**\*Students will then work on card set A which is one step words problems and then card set B which is two step word problems.**

**\*I will then take students work and put them into groups based on their responses. Not only will I look for the correct answer, but I will also look for their process in solving the word problems. I will use a coding system to provide feedback.**

**The following day-**

**\*Students will be placed into small groups for about 10 minutes and will continue to work on using the large set/small set diagram to help see where the unknown is and how to solve the problem. Or if that’s not the misconception then I will work with the students on enhancing their addition or subtraction strategy by either practicing using sticks and bundles, the empty number line, traditional, partial algorithm, base ten, expanded form, or whatever the case may be.**

**\*Students will join the teacher for a 10 minutes whole group math talk and discuss all the possibilities on how to solve the word problem with the unknown in different spots, making sure to state their name on chart paper with their strategy and solution.**

**\*Students will correct and clear up any misconceptions. They will then solve another set of word problems to show if learning took place.**

**List all the addition and subtraction math strategies you know.**

|  |  |
| --- | --- |
| **Addition Strategies** | **Subtraction Strategies** |
|  |  |

**Formative Assessment Lesson 11-10-11**

**LTM3: I can know addition and subtraction strategies using place value and properties of operations related to addition and subtraction.**

**56**

 **\_ 19**

 **\_\_\_\_\_\_\_\_\_\_\_**

**Using the boxes below show your strategy and then joined other teammates so you can know and record their strategy.**

|  |  |
| --- | --- |
| **1.My strategy** | **2.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_strategy** |
|  |  |
| **3.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_strategy** |  **4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_strategy** |
|  |  |

|  |  |
| --- | --- |
| **What I used to think…** | **And now I know…** |
|  |  |