

Mathematics CFA Template

Pre-Instruction

1. List the Standard. Underline the nouns (what students will know) and highlight the verbs (what student will do):

K.OA.1 **Represent** addition and subtraction with fingers, mental images, drawings, sounds, acting out situations, verbal explanations, expressions, or equations.

2. Mathematical Practices

1. Make sense of the problem and persevere.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure
8. Look for and express regularity in repeated reasoning.

3. I Can Statements – Put learning targets in student friendly terms.

I can use strategies to represent addition.
 I can use strategies to represent subtraction.
 I can explain the strategy I chose to solve the problem.

Depth of Knowledge of the standard (Highlight the Level of the Learning Target):

Level 1 Recall; Level 2 – Skill/Concept; Level 3 – Strategic Thinking; Level 4 – Extended Thinking

4. List the skills students need to know in order to begin this standard:

1. Recognize the numerals.
2. Count with one-to-one correspondence.
3. Have an understanding that addition is putting parts together and subtraction is taking parts away.

5. What type of assessment am I going to write? [selected response (m/c, t/f, y/n, matching, fill in ___) **or** constructed response (**short:** word, phrase, sentence, single problem; **extended:** multi-step operations in math, problem solving)] List the assessment questions.

Constructed Response

2nd Nine Weeks

1. Tommy has 3 bears and Joe gives him 4 more. How many bears will Tommy have in all?
2. Sara has 6 cookies and she shares 2 with Julie. How many cookies does Sara have left?
3. Luke has 5 cars and his brother gave him 5 more. How many cars does Luke have in all?
4. Jill has 7 crayons and she loses 5 of them. How many crayons does she have left?

3rd/4th Nine Weeks

Similar questions, but with start unknown and change unknown.

6. Scoring Guide

Exceeds Expectations: 4 out of 4 correct showing work and verbally explaining the strategy they chose without prompting.

Proficient: 4 out of 4 correct using a strategy with prompting.

Approaching Proficiency: 3 out of 4 correct using a strategy with prompting.

Not Proficient: less than 3 correct or not using a strategy.

Name: _____

K.OA.1 Constructed Response

Solve the following problem in the box provided. Explain/draw how you solved the problem.

1. Tommy has 3 bears and Joe gives him 4 more. How many bears will Tommy have in all?

2. Sara has 6 cookies and she shares 2 with Julie. How many cookies does Sara have left?

3. Luke has 5 cars and his brother gave him 5 more. How many cars does Luke have in all?

4. Jill has 7 crayons and she loses 5 of them. How many crayons does she have left?

