

# Mathematics CFA Template

## Pre-Instruction

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

1.OA.6 **Add** and **subtract** within 20 **demonstrating** fluency for addition and subtraction within 10. **Use** strategies such as **counting** on; **making** 10; **decomposing** a number leading to a 10; **using** the relationship between adding and subtracting; and **creating** equivalent but easier or known sums.

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.

1. I can add and subtract within 20.
2. I can quickly add and subtract within 10.
3. I can use strategies to solve addition and subtraction problems.

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. Fluently add and subtract within 5.
2. Recognize numbers up to 20 and their value.
3. Make 10's fluently by drawing or using a picture.
4. Different ways to make a number to 10.
5. Students can count to 20.

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.

Assessment #1: Fluency w/in 10

Exit Question- Student will answer a given addition or subtraction fact w/in 10 in 3 seconds or less. The teacher will check off whether or not the student answers correctly. This will consist of 3 addition and 3 subtraction problems over a week's span.

Assessment #2:

Adding and Subtracting w/in 20 using different strategies

Student will solve the problem using one of their math strategies. (mental math, counting on, pictures, manipulatives)

Solve the following problems. Show your work, and tell what strategy you used.

$$14+6=$$

$$18-5=$$

## 6. Scoring Guide

Assessment #1:

**Exceeds Expectations:**

**Proficient:** Solves all problems correctly.

**Approaching Proficiency:** 80% of the problems correctly

**Not Proficient:** 50% of the problems correctly

## 6. Scoring Guide

Assessment #2:

**Exceeds Expectations:** 2 out of 2 correct, showing more than 1 strategy

**Proficient:** 2 out of 2 correct, showing a correct strategy for each problem

**Approaching Proficiency:** 1 out of 2 correct, with possibility of strategy being shown

**Not Proficient:** No problems correct



Name: \_\_\_\_\_

Power Standard: 1.OA.6

Directions: Student will solve the problem using one of their math strategies such as mental math, counting on, pictures, manipulatives etc. Solve the following problems. Show your work, and tell what strategy you used.

$$14 + 6$$

Strategy:

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$$18 + 5$$

Strategy:

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Rubric:

**Exceeds Expectations:** 2 out of 2 correct, showing more than 1 strategy

**Proficient:** 2 out of 2 correct, showing a correct strategy for each problem

**Approaching Proficiency:** 1 out of 2 correct, with possibility of strategy being shown

**Not Proficient:** No problems correct

