

# 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.7** - **Understand** the meaning of the equal sign, and **determine** if equations involving addition and subtraction are true or false. For example, which of the following equations are true, and which are false?  $6 = 6$ ,  $7 = 8 - 1$ ,  $5 + 2 = 2 + 5$ ,  $4 + 1 = 5 + 2$

2. Mathematical Practices

1. Make sense of problems and persevere in solving them.
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.

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

1. I can explain the meaning of the equal sign. **Level 3**
2. I can tell you if an equation is true or false and tell you how I know. **Level 3**

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 numbers and know the value of them.
2. Be able to add and subtract.
3. Know symbols for addition and subtraction.
4. Understand the definitions of true and false.
5. Understand that an equation is a number sentence.

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.

Tell if the equations are true or false. Explain using pictures.

- (A)  $7 = 7$   
(B)  $3 + 2 = 5 + 2$   
(C)  $6 = 3 + 3$   
(D)  $5 - 4 = 9$

6. Scoring Guide

**Exceeds Expectations:** All 4 correct and shows more than 1 strategy to explain work.

**Proficient:** All 4 correct and shows correct strategy/work.

**Approaching Proficiency:** 3 correct with correct work shown

**Not Proficient:** 2 or fewer correct

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

Skill: 1.OA.7

Directions: Tell if the equations are true or false. Explain using pictures.

$$7 = 7$$

$$3 + 2 = 5 + 2$$

$$6 = 3 + 3$$

$$5 - 4 = 9$$

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