

# Mathematics CFA Template

## Pre-Instruction

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

2.OA.2 Fluently *add* and *subtract* within 20 using mental strategies. By the end of Grade 2, *know* from memory all sums of two one-digit numbers.

2. Mathematical Practices

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

#2 Reason abstractly and quantitatively.

#4 Model with mathematics.

#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 memorize all sums of the one digit numbers.

**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. commutative property

2. addition and subtraction

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.

Selected Response-Fill in the blank

Single Digit

1.  $8 + 7 =$  \_\_\_\_\_ 2.  $4 + 9 =$  \_\_\_\_\_ 3.  $9 - 2 =$  \_\_\_\_\_ 4.  $8 - 3 =$  \_\_\_\_\_

6. Scoring Guide

**Exceeds Expectations**: Student answers 4 out of 4 correctly and creates more math facts with answers.

**Proficient**: Students answer 4 out of 4 correctly.

**Approaching Proficiency**: Student answers 3 out of 4 correctly.

**Not Proficient**: Student answers less than 3 correctly.





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

Fact Fluency Assessment Number 1

Selected Response-Fill in the blank

1.  $8 + 7 =$  \_\_\_\_\_    2.  $4 + 9 =$  \_\_\_\_\_    3.  $9 - 2 =$  \_\_\_\_\_    4.  $8 - 3 =$  \_\_\_\_\_

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