Mathematics CFA Template

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| 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. |

Addition Fact Fluency

Class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Grade: Skill:

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| Place the date when the student has mastered the following sets of facts. | | | | | | | | | | | |
| Students | 0’s | 1’s | 2’s | 3’s | 4’s | 5’s | 6’s | 7’s | 8’s | 9’s |  |
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Subtraction Fact Fluency

Class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Grade: Skill:

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| Place the date when the student has mastered the following sets of facts. | | | | | | | | | | | |
| Students | 0’s | 1’s | 2’s | 3’s | 4’s | 5’s | 6’s | 7’s | 8’s | 9’s |  |
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Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Fact Fluency Assessment Number 1

Selected Response-Fill in the blank

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

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

Fact Fluency Assessment Number 1

Selected Response-Fill in the blank

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

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

Fact Fluency Assessment Number 1

Selected Response-Fill in the blank

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

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

Fact Fluency Assessment Number 1

Selected Response-Fill in the blank

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