

# Mathematics CFA Template

## Pre-Instruction

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

3.NBT.2 Fluently add and subtract within 1000 using strategies and algorithms based on place value, properties of operation, and/or relationship between addition and subtraction.

(A) Add

(B) Subtract

2. Mathematical Practices

1. Makes sense of problems and persevere to solve them.

3. Construct viable argument and critique the reasoning of others.

4. Model with mathematics.

5. Using appropriate tools strategically.

6. Attend to precision.

7. Look for and make use of structure.

8. Look for and express regularity and repeated reasoning.

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

\* I can add 3-digit numbers using different strategies.

\* I can subtract 3-digit numbers using different strategies.

\* I can explain the strategies I use to solve 3-digit 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:

\* Add and subtract 2 digit numbers.

\* Knowledge of strategies they use to solve 2 digit addition and subtraction problems.

\* Place value

\* Fluently add and subtract basic math facts.

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.

1.  $814 + 107$

2.  $285 + 466$

3.  $673 + 195$

4.  $732 - 350$

6. Scoring Guide

**Exceeds Expectations:** Students solve all 6 equations correctly explaining more than one strategy to solve.

**Proficient:** Students solve all equations correctly explaining their strategies.

**Approaching Proficiency:** Students solve 4 out of the 6 problems correctly explaining their strategies.

**Not Proficient:** Students solve 3 or fewer of the equations correctly explaining their strategies.

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

Power Standard: 3.NBT.2

Directions: Solve the following multi-digit problems. Show your work and describe the strategy that you use.

$814 + 107$	$285 + 466$
$673 + 195$	$732 - 350$
$432 - 269$	$147 - 85$

**Rubric**

**Exceeds Expectations:** Students solve all 6 equations correctly explaining more than one strategy to solve.

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**Approaching Proficiency:** Students solve 4 out of the 6 problems correctly explaining their strategies.

**Not Proficient:** Students solve 3 or fewer of the equations correctly explaining their strategies.



