

Mathematics CFA Template

Pre-Instruction

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

4.NBT.4-**Fluently add and subtract** multi-digit whole numbers **using** the standard algorithm.

2. Mathematical Practices

1. Make sense of problems and persevere in solving them.
2. Use appropriate tools strategically
3. Look for and make use of structure
4. Look for and express regularity in repeated reasoning

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

I can fluently add multi-digit whole numbers using an algorithm to millions place.
I can fluently subtract multi-digit whole numbers using an algorithm to millions place.

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. Understand the concept of addition and subtraction
2. Know and understand place value to the millions place
3. Know basic addition and subtraction facts fluently

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.

Constructed short response: 6 problems

Solve the following problems. Explain/show all your work.

1. $6,065,337 + 365,489 =$
2. $58,340 + 123,865 =$
3. $4,236 + 347,218 =$
4. $23,476 - 14,234 =$
5. $45,632,168 - 23,456,123 =$
6. $94,567 - 13,245 =$

6. Scoring Guide

Exceeds Expectations: Student answers 6 out of 6 problems using various algorithms.

Proficient: Student answered 6 out of 6 problems using an algorithm.

Approaching Proficiency: Student answers 2 of 3 addition and subtraction problems having some concept of an algorithm.

Not Proficient: Student answers less than 2 addition and subtraction problems having little concept of an algorithm.

Name: _____

4.NBT.4 – Formative Assessment

Directions: Solve the following problems. Explain/show all your work.

1. $6,065,337 + 365,489 =$	2. $58,340 + 123,865 =$
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