

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.NB3 - Multiply one-digit whole numbers by multiples of 10 in the range 10-90 (e.g., 9×80 , 5×60) using strategies based on place value and properties of operations. (A range of algorithms may be used)

2. Mathematical Practices

Make sense of problems and persevere in solving them.

Reason abstractly and quantitatively.

Construct viable arguments.

Model with mathematics

Use appropriate tools strategically.

Attend to precision.

Look for and make use of structure.

Look for and express regularity in repeated reasoning.

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

I can multiply one-digit whole numbers by multiples of 10-90 using different strategies.

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. Students need to know place value.

2. Students need to be able to use repeated whole number patterns.

3. Students need to understand repeated addition.

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.

Exit Card - Solve 7×10 . Prove your answer by showing the strategy you used.

6. Scoring Guide

Exceeds Expectations: Student correctly answered question and used more than one strategy

Proficient: Student correctly answered question using one strategy.

Approaching Proficiency: Student correctly answered question but did not use a correct strategy or Student did not correctly answer question but did show a correct strategy.

Not Proficient: Student did not answer question correctly or use a strategy to solve.

Name: _____ Date: _____

Solve and explain your strategy for the following problem:

$$7 \times 10 =$$

Exceeds Expectations: Student correctly answered question and used more than one strategy

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