

# 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. OA.7 *Represent and solve problems involving multiplication and division: Fluently multiply and divide within 100, using strategies such as the relationship between multiplication and division (e.g., knowing that  $8 \times 5 = 40$ , one knows  $40/5=8$ ) or properties of operations. By the end of Grade 3, know from memory all products of two one-digit numbers.*

### 2. Mathematical Practices

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

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 fluently multiply and divide within 100 using 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:

Vocabulary: multiply, divide, factor, dividend, divisor, product, quotient, fluently

How to solve multiplication and division problems using equal groups, arrays and measurement quantities.

How to write an equation.

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.

Assessment 1: Bathroom Multiplication Checklist

Assessment 2: XtraMath

Assessment 3: Partner Flash Card Activity

Assessment 4: Multiplication.com

Assessment 5: Multiplication Top It (Every day math)

Assessment 6: Roll the dice and multiply the results

\*frequent assessments throughout the year

## 6. Scoring Guide

By End of the Year...

**Exceeds Expectations:** Student will know multiplication and division facts above two one-digit numbers.

**Proficient:** Student will fluently know all multiplication and division facts within 100.

**Approaching Proficiency:** Students will know more than half of the multiplication and division facts within 100.

**Not Proficient:** Students will know less than half of the multiplication and division facts within 100.

