

Mathematics CFA Template

Pre-Instruction

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

2.MD8 **Solve** word problems (addition and subtraction) involving dollar bills, dimes, quarters, nickels, and pennies, **using** \$ and ¢ symbols appropriately.

2. Mathematical Practices

#1 Make sense and persevere in solving problems.

#2 Reason Abstractly and quantitatively.

#4 Model with mathematics.

#5 Use appropriate tools strategically.

#8 Look for and express regularity in repeated reasoning.

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

I can solve word problems (addition and subtraction) involving money.

I can use the \$ and ¢ symbols correctly.

I can show an amount of money in different ways.

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:

- * Dollar bill
- * Money symbols
- * Value of coins
- * Identify the coins
- * Place value
- * Combine coins
- * Add/subtract
- * Vocabulary

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) If you have two dimes and three pennies, how many cents do you have?

2) Sammy has 55 cents. His mother gave him 75 cents for making his bed. How much money does Sammy have now?

3) Sandra went to the store and received \$0.76 in change. What are three different sets of coins she could have received.

4) Bobby got three quarters, two dimes, and five pennies out of his piggy bank. He bought a candy bar for \$0.65. How much money does Bobby have left?

5) Show two different ways to make 12 dollars using \$1, \$5, and \$10 bills.

6. Scoring Guide

Exceeds Expectations: 5/5 questions and shows multiple ways they got their answer

Proficient: 5/5 questions and shows work

Approaching Proficiency: 4/5 questions and shows work

Not Proficient: less than 4 correct and/or does NOT show work

Name: _____

2.MD.8 Constructed Response

Directions: Solve the following problems. Be sure to show your work on each problem.

- 1) If you have two dimes and three pennies, how many cents do you have?

- 2) Sammy has 55 cents. His mother gave him 75 cents for making his bed. How much money does Sammy have now?

- 3) Sandra went to the store and received \$0.76 in change. Draw three different sets of coins she could have received.

- 4) Bobby got three quarters, two dimes, and five pennies out of his piggy bank. He bought a candy bar for \$0.65. How much money does Bobby have left?

- 5) Draw two different ways to make 12 dollars using \$1, \$5, and \$10 bills.

