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| **NC.2.MD.8, OA.1, NBT.6**  **Jordan’s Coins** | |
| **Domain** | Measurement and Data  Operations and Algebraic Thinking Number and Operations in Base Ten |
| **Cluster** | Work with time and money.  Represent and solve problems involving addition & subtraction.  Use place value understanding and properties of operations to add and subtract. |
| **Standard(s)** | **NC.2.MD.8** Solve word problems involving:   * Quarters, dimes, nickels, and pennies within 99¢, using ¢ symbols appropriately. * Whole dollar amounts, using the $ symbol appropriately.   **NC.2.OA.1** Represent and solve addition and subtraction word problems, within 100, with unknowns in all positions, by using representations and equations with a symbol for the unknown number to represent the problem, when solving:   * Two-Step problems involving single digits: o Add to/Take from- Result Unknown   **NC.2.NBT.6** Add up to three two-digit numbers using strategies based on place value and properties of operations. |
| **Materials** | SF, pencil |
| **Task** | Provide the materials to the student. Read the problem to the student: *Jordan found five coins at the bottom of his bookbag. Three are dimes and two are nickels. How much money did Jordan*  *find? Explain your reasoning with numbers and words.* |

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| **Continuum of Understanding** | | |
| **Not Yet Proficient** | * Provide conceptual instruction on making sense of the situation as an add to result unknown problem * Provide procedural instruction on solving add to result unknown problems * Provide instruction on place value when adding and subtracting with regrouping * Provide instruction on identifying nickels and dimes and relating their value to pennies (1st grade NC.1.MD.5) | * Solves the problem correctly * Clearly explains their thinking   Strategy(ies) Used:   * Counting All * Counting On * Makes Tens * Basic Facts * Creates easier or known sums * Doubles * Doubles +/- 1, 2 * Other: Knows value of: * Dime * Nickel |
| **Progressing** | * Incorrectly identifies the value of a dime/nickel. * Incorrectly solves the problem. * Relies on counting as primary strategy for solving problem. * Explanation is lacking in detail or non-existent. |
| **Meets Expectation** | * Correctly solves the problem: 40¢ * Successfully uses strategies such as making tens, creates easier or known sums, and basic facts. * Explanation indicates understanding of the value of the coins and illustrates strategies used to solve the problem and includes   numbers and words. |

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| **Standards for Mathematical Practice** |
| **1. Makes sense and perseveres in solving problems.** |
| **2. Reasons abstractly and quantitatively.** |
| **3. Constructs viable arguments and critiques the reasoning of others.** |
| **4. Models with mathematics.** |

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| 5. Uses appropriate tools strategically. |
| **6. Attends to precision.** |
| 7. Looks for and makes use of structure. |
| **8. Looks for and expresses regularity in repeated reasoning.** |

**NC.2.MD.8 NC.2.OA.1 & C.2.NBT.6 Name**

**Formative Instructional and Assessment Tasks**

Jordan found five coins at the bottom of his book bag. Three are dimes and two are nickels. How much money did Jordan find?

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| Explain your reasoning with numbers and words.  money |