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| **NC.2.MD.5 & OA.1****Martina’s Run** |
| **Domain** | Measurement and DataOperations and Algebraic Thinking |
| **Cluster** | Relate addition and subtraction to length.Represent and solve problems involving addition & subtraction. |
| **Standard(s)** | **NC.2.MD.5** Use addition and subtraction within 100 to solve word problems involving lengths that are given in the same units, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.**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:* One-Step problems:

o Compare-Bigger Unknown |
| **Materials** | SF, Cubes or counters, pencil |
| **Task** | Provide materials to the student. Read the problem to the student*: Martina ran 9 fewer yards than Nicole. Nicole ran for 21 yards. How many yards did Martina run? Write an equation that represents this problem. Use a symbol for the unknown number. Solve the**problem and use words, numbers or pictures to explain your reasoning.* |

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| **Continuum of Understanding** |
| **Not Yet Proficient** | * Provide conceptual instruction on making sense of the situation as a comparison bigger unknown problem
* Provide procedural instruction on solving comparison bigger unknown problems
* Provide instruction on place value when adding and subtracting with regrouping
 | * Writes an accurate equation including a symbol for the unknown number
* Solves the problem correctly
* Clearly explains their thinking

Strategy(ies) Used:* Counting Back
* Makes Tens
* Basic Facts
* Breaking Tens
* Creates easier or known sums
* Other:
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| **Progressing** | * Incorrectly solves the problem.
* Relies on counting as primary strategy for solving problem.
* Equation is inaccurate.
* Explanation is lacking in detail or non-existent.
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| **Meets Expectation** | * Correctly solves the problem: 12 yards
* Successfully uses strategies such as making tens, creates easier or known sums, and basic facts.
* Equation is accurate (e.g., 21 - 9 = )
* Equation includes a symbol for the unknown number
* Explanation is clear and uses numbers, pictures, or words to show their thinking.
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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.** |
| 5. Uses appropriate tools strategically. |

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

**NC.2.MD.5 & NC.2.OA.1 Name**

**Formative Instructional and Assessment Tasks**

Martina ran 9 fewer yards than Nicole. Nicole ran for 21 yards. How many yards did Martina run?

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| **Write an equation that represents this problem. Use a symbol for the unknown number.** |
| Solve the problem.Use words, numbers or pictures to explain your reasoning. yards |