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| **NC.3.OA.1****Football Game**  |
| **Domain** | Operations and Algebraic Thinking |
| **Cluster** | Represent and solve problems involving multiplication and division. |
| **Standard(s)** | **NC.3.OA.1** For products of whole numbers with two factors up to and including 10:* Interpret the factors as representing the number of equal groups and the number of objects in each group.
* Illustrate and explain strategies including arrays, repeated addition, decomposing a factor, and applying the commutative and associative properties.
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| **Materials** | Task handout, pencils, white boards and dry-erase markers (optional) |
| **Task** | **Part 1:**Kayla went to a football game. Her team scored 6 times, and got the extra point each time. A touchdown with an extra point is worth 7 points. How many points did her team score?**Part 2:** If the other team scored 2 more times than her team and got 7 each time, how many points did they have? Write a sentence explaining how you know that you are correct, or show your work in a picture.  |

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| **Rubric** |
| **Level I**Not Yet | 1. **Level II**
2. Progressing
 | **Level III**Meets Expectation |
| * Incorrect answer and work are given.
 | * Finds the correct answer, but there may be inaccuracies or incomplete justification of solution **OR**
* Uses partially correct work but does not have a correct solution.
 | * Accurately finds the answers (42 for 6 x 7 and 56 for 8 x 7 OR 6 x 7 + 2 x 7 = 56). **AND**
* Uses an appropriate model to represent and justify the solution. **AND**
* Writes a clear and accurate sentence explaining their strategies or draws picture demonstrating work.
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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. |
| **6. Attends to precision.** |
| **7. Looks for and makes use of structure.** |
| 8. Looks for and expresses regularity in repeated reasoning. |

**Football Game**

Draw a picture and write an equation to represent each part of the task.

**Part 1:** Kayla went to a football game. Her team scored 6 times, and got the extra point each time. A touchdown with an extra point is worth 7 points. How many points did her team score?

**Part 2:** If the other team scored 2 more times than her team and got 7 each time, how many points did they have?Write a sentence explaining how you know that you are correct.