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| **NC.4.NBT.5****Farmer’s Market** |
| **Domain** | Number and Operations in Base Ten |
| **Cluster** | Use place value understanding and properties of operations to perform multi-digit arithmetic. |
| **Standard(s)** | **NC.4.NBT.5** Multiply a whole number of up to three digits by a one-digit whole number, and multiply up to two two-digit numbers with place value understanding using area models, partial products, and the properties of operations. Use models to make connections and develop the algorithm. |
| **Materials** | activity sheet, pencil |
| **Task** | **Farmer’s Market****Part 1:** Farmer Brown delivered 6 crates filled with corn to the farmer’s market. Each crate contained 1,197 ears of corn. How many ears of corn did Farmer Brown deliver?**Part 2:**Farmer Smith also delivered 6 crates of corn to the farmer’s market. Each crate contained 874 ears of corn. How many ears of corn did Farmer Smith deliver?**Part 3:**How many more ears of corn did Farmer Brown deliver than Farmer Smith?  |

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| **Rubric** |
| **Level I****Not Yet** | **Level II****Progressing** | **Level III****Meets Expectation** |
| Student is unable to use strategies to find correct answers to any aspect of the task.  | Student answered 1-2 parts of the problem correctly. | All answers are correct. Part 1: 1,197 x 6 = 7,182Part 2: 874 x 6 = 5,244Part 3: 7,182 - 5,244 = 1,938 |

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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 |

**Farmer’s Market**

**Part 1:**

Farmer Brown delivered 6 crates filled with corn to the farmer’s market. Each crate contained 1,197 ears of corn. How many ears of corn did Farmer Brown deliver?

**Part 2:**

Farmer Smith also delivered 6 crates of corn to the farmer’s market. Each crate contained 874 ears of corn. How many ears of corn did Farmer Smith deliver?



**Part 3:**

How many more ears of corn did Farmer Brown deliver than Farmer Smith?

**Scoring Examples**

**Not Yet:** The student was unable to use strategies to solve any part of the task correctly. The student attempted to use repeated addition to solve the problem, but made calculation errors.



**Progressing:** The student was able to answer Part 1 and Part 2 correctly using multiplication strategies, but was unable to find the correct answer for Part 3, which required subtraction.



**Meets Expectation:** The student was able to answer all parts of the task correctly.

