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| **Pricing Packages– 6.NS.3** | |
| **Domain** | **The Number System** |
| **Cluster** | **Compute fluently with whole numbers and find common factors and multiples.** |
| **Standard(s)** | **6.NS.3** Fluently add, subtract, multiply, and divide multi-digit decimals using the standard algorithm for each operation. |
| **Materials** | Activity sheet |
| **Task** | **Pricing Packages**  The local package store charges $3.30 for each package plus $0.75 per ounce.  The nationally-owned package store charges a flat rate of $0.95 per ounce.  Part 1: For a 10 ounce package how much will it cost at both stores?  Part 2:  For a 15 ounce package how much will it cost at both stores?  Part 3:  For a 1 pound, 1 ounce package how much will it cost at both stores?  Part 4:  What did you notice about which store was the least expensive for each of the 3 parts above? Which store will be cheaper for a 1 pound package? |

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| **Rubric** | | |
| **Level I** | 1. **Level II** | **Level III** |
| * Student uses inappropriate solution strategy and does not get the correct answer. | 1. Not Yet Proficient  * There are one or two errors. | Proficient in Performance   * Accurately solves problem * Part 1: Local store: $10.80, National store: $9.50 * Part 2: Local store: $14.55, National store: $14.25 * Part 3: Local store: $16.05, National store: $16.15 * Part 4: Parts 1 and 2 were cheaper for the national store and Part 3 was cheaper for the local store. For a 1 pound package the national store is cheaper. As the weight gets over 1 pound, the local store becomes cheaper than the national store. |

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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. |

**Pricing Packages**

The local package store charges $3.30 for each package plus $0.75 per ounce.

The nationally-owned package store charges a flat rate of $0.95 per ounce.

Part 1:  
For a 10 ounce package how much will it cost at both stores?

Part 2:

For a 15 ounce package how much will it cost at both stores?

Part 3:

For a 1 pound, 1 ounce package how much will it cost at both stores?

Part 4:

What did you notice about which store was the least expensive for each of the 3 parts above? Which store will be cheaper for a 1 pound package?