|  |
| --- |
| **Selecting Steaks– 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** | **Selecting Steaks**At the supermarket the Richardson family is choosing four steaks to buy for dinner. Mr. Richardson chooses a 12 ounce steak that costs $6.84. Mrs. Richardson selects an 8 ounce steak that costs $4.88. Their 15 year old son chooses a 16 ounce steak that costs $8.32. Their 11 year old daughter chooses a 6 ounce steak that costs $4.98. Part 1:What was the total cost of all four steaks?Part 2:They bought the steaks and also paid 5% of their bill for tax. If they paid with 2 $20 bills how much money did they get back? Part 3:For each steak what was the price per ounce?Part 4: In order to save money should they buy larger steaks to share or smaller steaks? Explain your reasoning.  |

|  |
| --- |
| **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: $25.02
* Part 2: Tax is $1.25. The total bill is $26.27. If they pay with $40, they will get $13.73 back in change.
* Part 3: Mr. Richardson: $0.57 per ounce; Mrs. Richardson: $0.61 per ounce; son: $0.52 per ounce; daughter: $0.83 per ounce.
* Part 4: The price per ounce was lower for larger steaks. They should buy larger steaks to share.
 |

|  |
| --- |
| **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. |

**Selecting Steaks**

At the supermarket the Richardson family is choosing four steaks to buy for dinner. Mr. Richardson chooses a 12 ounce steak that costs $6.84. Mrs. Richardson selects an 8 ounce steak that costs $4.88. Their 15 year old son chooses a 16 ounce steak that costs $8.32. Their 11 year old daughter chooses a 6 ounce steak that costs $4.98.

Part 1:

What was the total cost of all four steaks?

Part 2:

They bought the steaks and also paid 5% of their bill for tax. If they paid with 2 $20 bills how much money did they get back?

Part 3:

For each steak what was the price per ounce?

Part 4:

In order to save money should they buy larger steaks to share or smaller steaks? Explain your reasoning.