**FOOD FOR THOUGHT**

**Students were asked to solve three real world problems, each that must be solved by finding unit price, fraction, decimal, percent equivalence, and measurement conversions. Based on their knowledge and skills, students will show their work to solve each problem and explain how they arrived at their solutions.**

**CCSS:**

**6.RP.1** Understand the concept of a ratio and use ratio language to describe a ratio relationship between two quantities

**6.RP.2** Understand the concept of unit rate a/b associated with a ratio a:b with b not equal to 0, and use rate language in the context of a ratio relationship

**6.RP.3** Use ratio and rate reasoning to solve real-world and mathematical problems

**Mathematical Practices:**

**MP 1:** Make sense of problems and persevere in solving them.

**MP 8:** Look for and express regularity in repeated reasoning.

**Students will:**

* Read each problem carefully and analyze what each part of the question is asking you to do.
* Identify key words that may guide you towards a solution.
* Use mathematical operations and diagrams to model your work.
* Make sure all calculations are written neatly and in an organized manner.
* Clearly label and circle your solution.
* Use mathematical vocabulary to explain your strategy and thought process.

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**FOOD FOR THOUGHT** Checklist Total Points \_\_\_\_\_\_ /25

|  |  |  |  |
| --- | --- | --- | --- |
| **Part** | **Requirements** | **Points** | **Feedback** |
| A | Correctly display steps to solve your problems.   * A method is selected to find unit price such as Division Method or Proportion Method * Use Customary System Conversions to compare quantities * Calculations are accurate and clearly labeled * Explanations are detailed and clear * No errors are evident when solving the problem. | /10 |  |
| B | Correctly identify necessary processes to complete extension questions.   * Convert between fractions, decimals, and percents * Find discount using percent of a quantity | /5 |  |
| C | Correctly calculate unit price and compare quantities   * Steps and Solution are presented in an easy to follow manner * Demonstrates a clear knowledge and application of the skills needed to solve the problem | /5 |  |
| D | Creativity & Organization   * Work is visually appealing * Information is organized and neat | /5 |  |