Web Quest   Unit 2 Grade 7   Name:_____

Task 1: Go to the link below and complete the **Terms, Variables, and Expressions** lesson. There are four parts to the lesson.

http://mathstar.lacoe.edu/lessonlinks/menu_math/var_food.html

- Food for Thought - introduction to constants and variables
- What's for Lunch? - Variables and expressions
- Tasty Term Treats – terms within algebraic expressions
- May I take your order? – Writing Variable expressions

1. After you complete all four, take the quiz at the end. How much money did you win at the end of **The Prize Is Right**? $ _____

Task 2: Go to the link below and complete the **Simplifying Expressions** lesson. There are four parts to the lesson.

http://mathstar.lacoe.edu/lessonlinks/menu_math/simp_combo.html

- Make it a Combo – simplifying like terms
- Counting Calories – substitution property
- Burger Queen Menu – substitute and calculate
- Show Me the Money! – Simplifying expressions

2. After you complete all four, take the quiz. How many free throws did you make? _____

Task 3: Go to the following site, watch the video and answer the questions below:

http://www.virtualnerd.com/algebra-2/equations-inequalities/like-terms-definition.php

3. What are like terms (write a definition in your own words)?
_____.

4. Give an example of like terms from the video. _____

5. Give an example of unlike terms from the video. _____.

6. What is a coefficient? _____.

7. Write one example of a coefficient? _____.

Task 4: Complete the 20 problems on the following site. How did you do? Print out your results and staple them to this packet.

http://www.ixl.com/math/grade-7/add-and-subtract-like-terms

8. What was your score? _____

Still having trouble? Watch this video.

http://www.graspr.com/videos/Simplifying-Expressions-Adding-Like-Terms-3

Task 5: https://www.khanacademy.org/math/algebra-basics/core-algebra-expressions/core-algebra-manipulating-expressions/v/combining-like-terms-and-the-distributive-property

9. What is the answer to the first question in the video? _____

10. Share an example of how you simplify like terms from the video.

Example:

Unit 2 Web Quest Evaluation:

11. Which task above was most helpful? Why?

12. Which task/game above was the most fun?

13. Simplify the following expression.   2x + 3x + 5

14. How do you think you would solve 2x + 3x + 5 = 50? Try to solve and show your work below.