Name: _____   Date: _____

5th Grade Module 3 Study Guide

Answer the questions below using pictures, numbers, or words to explain your thinking for each answer, including the multiple choice. **(PS3.LT2)**

1. $4\frac{1}{2} + 3\frac{1}{6} =$

2. $2\frac{1}{4} - 1\frac{1}{5} =$

3. Select the **two** values that correctly represent the total of $2\frac{1}{3} + 3\frac{4}{5}$

       a. $6\frac{2}{15}$

       b. $5\frac{5}{8}$

       c. $6\frac{17}{15}$

       d. $5\frac{17}{15}$

4. Select the **two** values that correctly represent the difference between
    $6\frac{5}{12} - 2\frac{2}{3}$

       a. $3\frac{9}{12}$

       b. $4\frac{9}{12}$

       c. $3\frac{3}{4}$

       d. $4\frac{3}{4}$

5. Jasmine had $2\frac{3}{4}$ gallon of milk. At breakfast, her brother drank $\frac{1}{5}$ gallon of milk and she drank $\frac{1}{4}$ gallon.

    a. Which **two** expressions could Jasmine use to find out how many gallons of milk she has left?

        A. $(2\frac{3}{4} + \frac{1}{5}) - \frac{1}{4}$

        B. $2\frac{3}{4} - \frac{1}{5} - \frac{1}{4}$

        C. $2\frac{3}{4} - (\frac{1}{5} + \frac{1}{4})$

        D. $\frac{1}{5} - \frac{1}{4} - 2\frac{3}{4}$

    b. How many gallons of milk did Jasmine have left? Explain your answer using words, pictures, or numbers.

6. On Wednesday, Sheldon wants to feed his blueberry plants 2 times and his lettuce plants one time. If he uses $\frac{2}{3}$ kg on his blueberry plants **_each time_** and $\frac{4}{5}$ kg on his lettuce plant, how much plant food will he need altogether? Explain your answer using words, pictures, or numbers.

Level 4

1. Elaine walked $1\frac{1}{4}$ miles. She then stopped at the soccer field. After playing at the soccer field, she walked another $2\frac{3}{5}$ miles and stopped to rest. Then, Elaine walked an additional $\frac{1}{2}$ mile. How many miles did Elaine walk altogether? Show your answer in **decimal form** to demonstrate level 4 knowledge.

2. Solve the expression **(PS4.LT2)**

$3a^3 + 3a^2$ where a = 4