**Math 7: Expressions & Equations Unit Plan (Chapter 3)**

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| **Targets & Problems** | **Answer** | **Expert Initials** |
| **I can identify terms and like terms.**   1. How many **terms** are in the following expression? 2. Use highlighters or colored pencils to identify the **like terms** in the following equations.    1. b. | 1. |  |
|
| 2.  See left |
|
| **I can combine like terms to simplify an expression.**  Simplify the following expressions.   1. 2.   3. 4. | 1. |  |
| 2. |
| 3. |
| 4. |
| **I can add and subtract linear expressions.**  Find the sum or difference.   1. 2.   3. 3. | 1. |  |
| 2. |
| 3. |
| 4. |
| **Targets & Problems** | **Answer** | **Expert Initials** |
| **I can factor an expression.**  Factor using the **Greatest Common Factor.**   1. 2.   Factor out the **coefficient** of the variable.  3. 4. 6x - 18 | 1. |  |
| 2. |
| 3. |
| 4. |
| **I can write & solve a 1-step equation.** Solve.  Write an equation then solve. A company makes a profit of $1.38 million. This is 2.54 million more than last year. What was the profit last year? | 1. |  |
| 2. |
| 3. |
| 4. |
| 5.  See left |
| **I can write and solve a 2-step equation.**  Solve.    Write an equation and solve.  It costs $2.50 to rent bowling shoes. Each game costs $2.25. You have $9.25. How many games can you bowl? | 1. |  |
| 2. |
| 3. |
| 4. |
| 5.  See left |
| **I can use complete sentences and appropriate vocabulary to explain the answer to a mathematical question.**   1. Gabby & Lauren have $12 between them. They need to take a taxi to meet their other friend who is 4 miles away. A taxi service charges an initial fee of $3.00 plus $1.80 per mile. Lauren says they can afford the taxi. Is this correct? Support your answer using words and numbers. Show your work in the space to the right. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2. Ryan and Claire are solving the equation . Ryan says the answer is . Claire says the answer is Who do you agree with and why? Explain using words and  numbers. Show your work in the space to the right. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |