Panel 1

MDI: Word problem practice

1. If Jason drives 65 mph, how long will it take him to travel 750 miles?

2. Ross is baking cupcakes for his co-workers. If one box makes 18 cupcakes, how many boxes will he need for 42 co-workers? (They will all eat only 1)

Panel 2

Substitution Review

Learning Intentions - I understand the process for substituting a value for a variable into an expression and simplifying.

Criteria for Success - I can evalute one variable expressions given the value of the variable.

Panel 3

When evaluating an expression, first **SUBSTITUTE**, then follow the **ORDER of OPERATIONS**.

What is the order of operations?

1. �▬▬▬▬▬▬▬
2. ▬▬▬
3 & 4. ▬▬▬▬▬▬
5 & 6. ▬▬▬▬▬▬

Panel 4

Examples: Substitute then evaluate.

1. $3(x + 5) - 1$; $x = -2$

2. $7 + 3(10 - x)$; $x = 3$

3. $4 - 6(x + 3)$; $x = 8$

Assignment: Substitute and evaluate.

1. $(x + 3)^2 + 4$; $x = 2$

2. $-5(6 + y) - 11$; $y = -3$

3. $10 - (7 - x) + 2$; $x = 9$

4. $19 + 3(4 + y)^2$; $y = -1$

5. $-8(x + 2) - 5$; $x = 6$

6. $2x + (x + 1) - 2$; $x = 3$

7. $2(4y - 1) + 2y$; $y = 4$

8. $4x + x - 4 - 26$; $x = -5$

9. $2y + 3(y + 7)$; $y = 31$

10. $-3(x + 4) - 9x$; $x = 7$

BONUS!!!! $2x - y = -1$; $y = -7 + 2x$