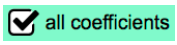
Name: _____ Date: _____ Class: _____

VARIABLE EXPRESSIONS

💬 = turn and talk. Stop and share your responses with your partner. If you have different responses, try to come to a consensus.

1. Check the "all coefficients" checkbox 

and play around with the sim. How would you describe a **coefficient**? 💬

   A coefficient is…

2. 

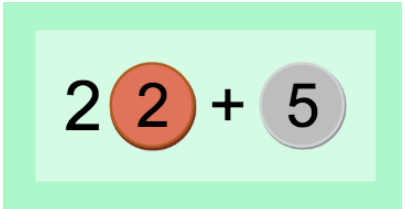
, 

, and  are all **terms**. Use the sim to build three more examples of **terms** and share them below. How would you describe a **term**? 💬

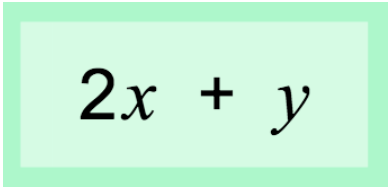
   1) 2) 3)

   A term is…

3. Answer the following questions about the sim:
   a. What is the value of this coin (numeric) expression?



   b. What is the value of this variable expression?



c. What is the difference between a coin (numeric) expression and a variable expression?

4. Complete this sentence: *A variable is…*

APPLY WHAT YOU LEARNED

5. Decide whether the following are algebraic or numerical. Point out where you see a sum, difference, product, quotient, or factors.

☐algebraic ☐numerical $9 + (15 - 7)$	☐algebraic ☐numerical $10c - 4$
☐algebraic ☐numerical $14(13 - d)$	☐algebraic ☐numerical $6 \div (r + 2)$