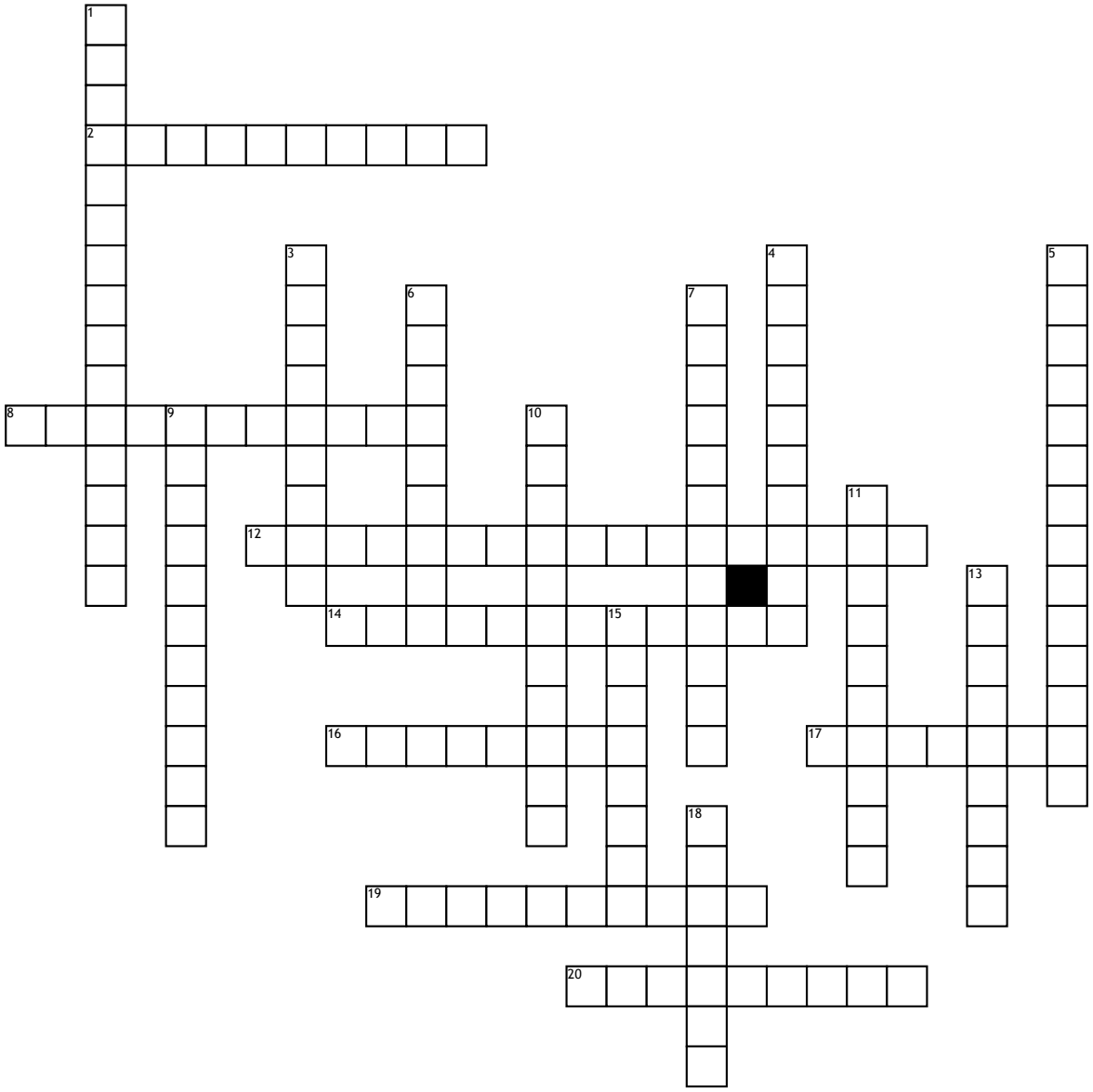
Name: _____ Date: _____

Developing Algebraic Thinking



Across

2. an expression that looks like 2+3

8. a+b = b+a, ab = ba

12. Please Excuse My Dear Aunt Sally (PEMDAS)

14. a(b + c) = ab+ac

16. a rule of correspondence connecting the elements of one set with the elements of another set such that each member of the domain corresponds to a unique member of the range

17. a theory and practice of arithmetic operations that uses symbols, especially letters, to represent unknown variable in equations

19. a symbolic statement and can be either an arithmetic expression or an algebraic expression

20. letters that represent quantities that may or may not vary, or change

Down

1. opposite of counting numbers

3. boy-girl-boy-girl arrangement

4. can help children visualize integers

5. an expression that are two-term polynomials with a highest power of 1 that can be used to demonstrate multiplication in an array

6. 7x and 2x

7. can be used to model equations in one or two variables

9. 7x, 3xy, y, and 8

10. (a+b) + c = a+ (b+c), (ab)c = a(bc)

11. a statement that one expression is greater than(or less than) the other

13. an expression that looks like 2x+3

15. quantities that do not vary

18. patterns that grow or change