7.RP.2 A&B&C&D Worksheet 1   Name:
 Tables, Graphs, and Equations   Block: Date:

A. I can determine whether two quantities are proportional by examining the relationship given in a table.
B. I can determine whether two quantities are proportional by examining the relationship given a graph.
C. I can determine whether two quantities are proportional by examining the relationship given in an equation.
D. I can write an equation that represents a proportional relationship.

1. Emmie frosts 3 cupcakes per minute. What is the unit rate?

2. What are the two variables in this relationship?

3. Make a table illustrating this
    relationship.

4. Is this relationship proportional?

5. If *m*= the number of minutes
   and *c*= the number of cupcakes,

a. write an equation relating the number of cupcakes Emmie frosted to the number of minutes.

b. test your equation using a couple of "instances" from the table:

6. Graph this relationship.

7. How is the unit rate shown on the graph?

8. Look at the table. As the number of minutes increases by 1, how much does the number of cupcakes increase by?

9. How is this shown on the graph?