

PROBLEM-OF-THE-DAY: ALGEBRA 1**WEEK:** September 24 to September 28 **DAY:** Monday

RISD Objective: Given a table, set of ordered pairs, graph, or equation, students will be able to determine whether or not the relation is a function.

PROBLEM #25

Amy and Jorge were looking at data collected during a chemistry experiment. Amy said that the data represented a function, but Jorge disagreed. Which one was correct? Why?

Time (minutes)	Concentration (grams/ml)
5	2.3
7	5.2
12	4.6
15	2.3

MODEL SOLUTION #25

A relation is a function if every member of the domain (inputs) is paired with only one member of the range (outputs). Therefore, in this case, Amy is correct. Though the concentration values repeat, there are not two different concentrations for the same time.