## Unit 5 Lesson 11: Making a Model for Data

### 1 What Function Could It Be? (Warm up)

#### Student Task Statement

What do you notice? What do you wonder?



### 2 Heating Up

#### Student Task Statement

Here is a graph of data showing the temperature of a bottle of water after it has been removed from the refrigerator.



For the function types assigned by your teacher:

1. Apply a sequence of transformations to your function so that it matches the data as well as possible.
2. How well does your model fit the data? Make adjustments as needed.

#### Images for Activity Synthesis





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