

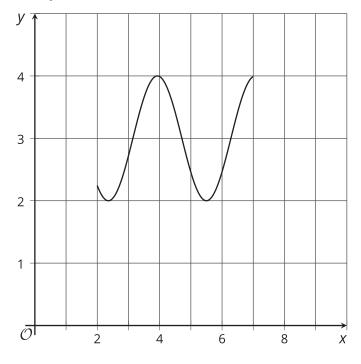
Examining Domains and Ranges

Let's play with graphs, domains, and ranges in situations.



Notice and Wonder: A Wiggly Graph

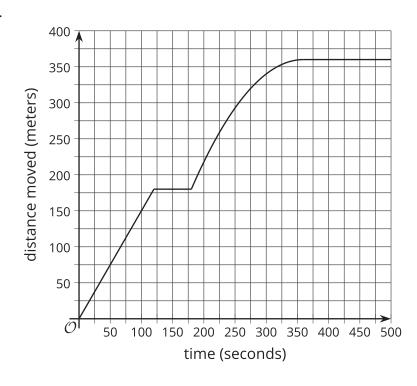
What do you notice? What do you wonder?



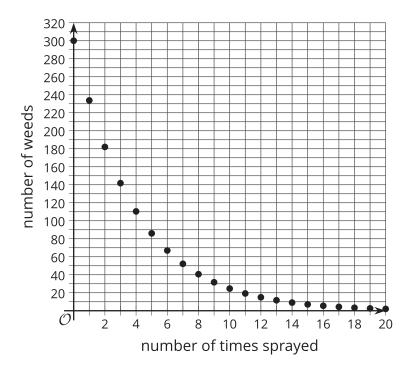


1. Examine these graphs and describe a situation that could match the situation represented by the graph.

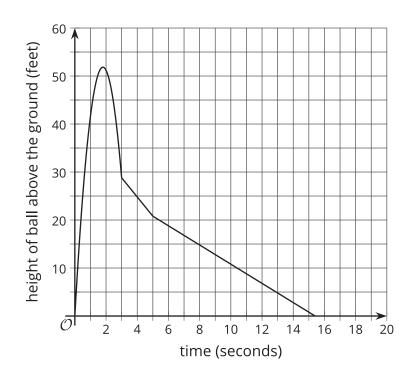
a.



b.



c.



- 2. For each situation, give an example of a value that could be:
 - In the domain.

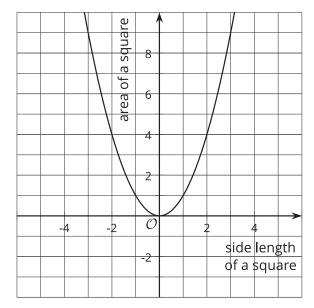
Not in the domain.

• In the range.

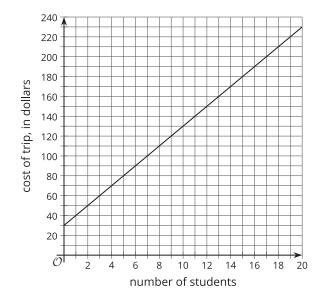
Not in the range.

11.3 Make It Realistic

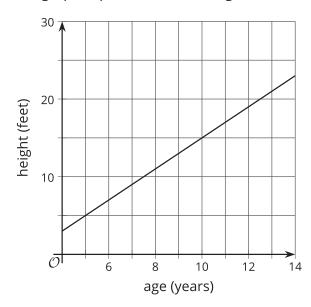
- 1. What is wrong with these graphs?
 - a. The graph relates the length of a side for a square and the area of the square.



b. The graph relates the number of students going on a field trip and the cost of the trip.



c. The graph represents Han's height since he was 4 years old until now when he is 14.



2. On each graph, draw a more realistic graph.