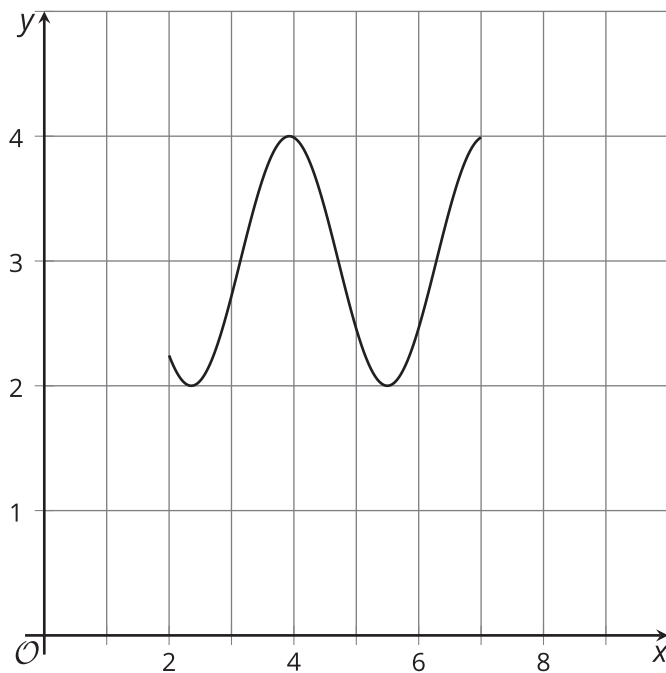# Lesson 11: Examining Domains and Ranges

- Let's play with graphs, domains, and ranges in situations.
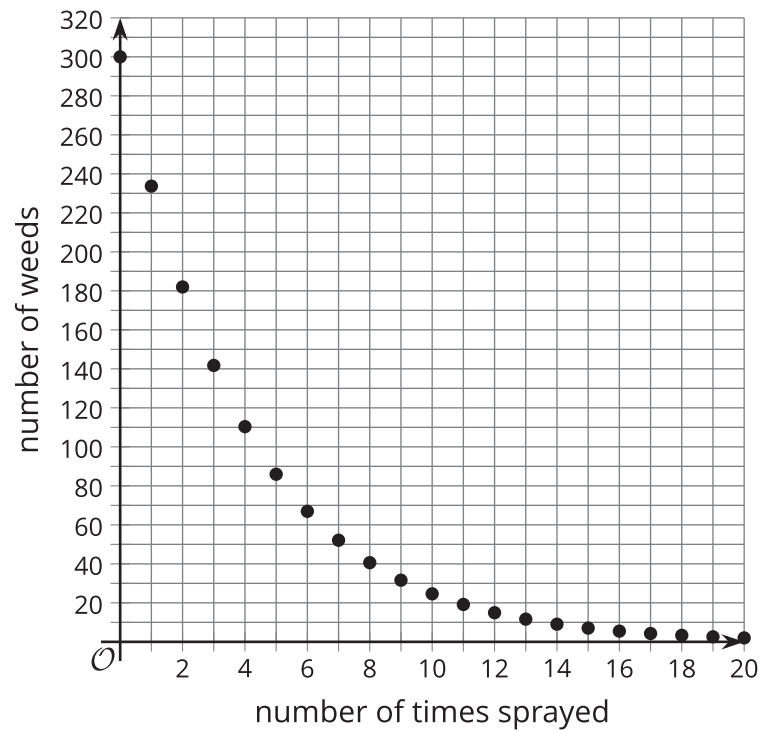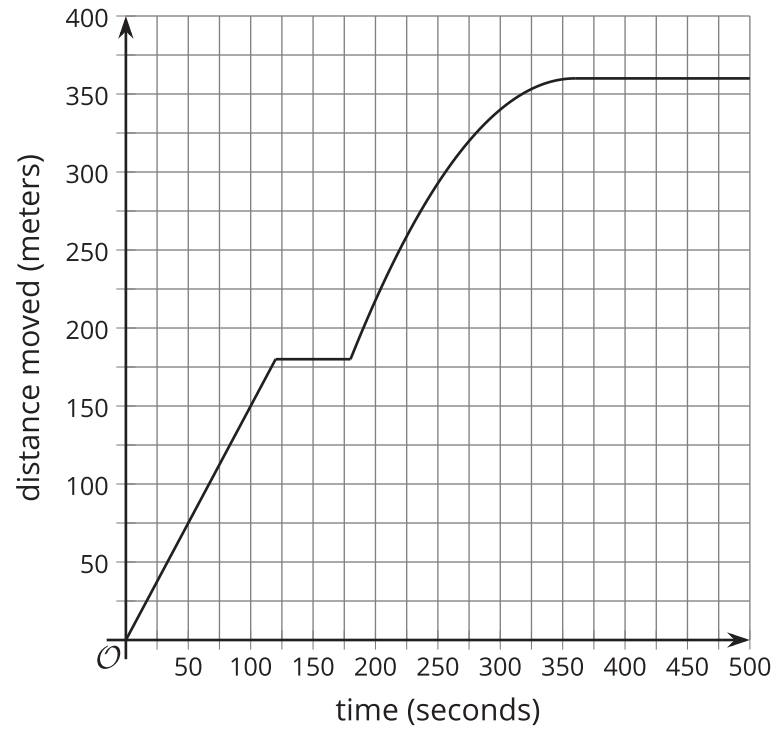
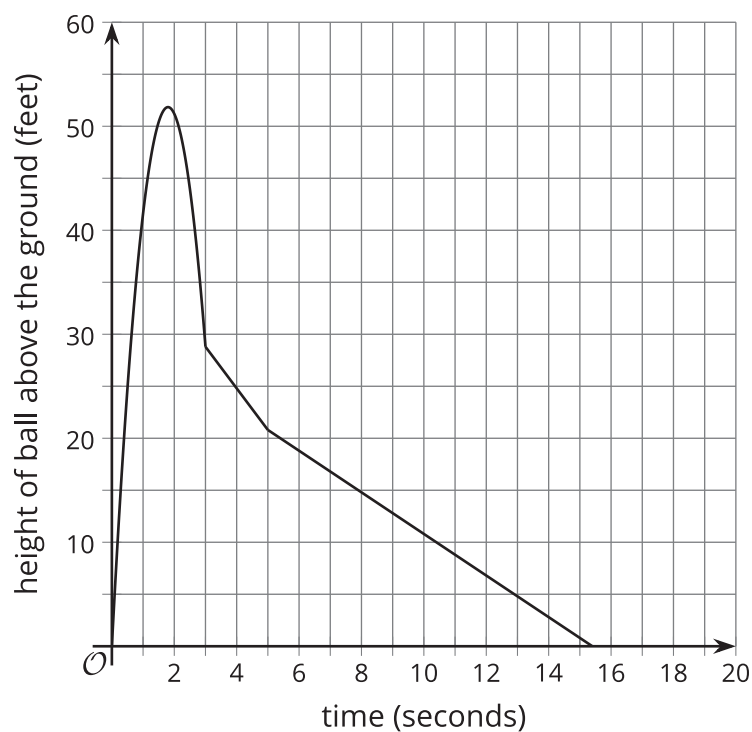## 11.1: Notice and Wonder: A Wiggly Graph

What do you notice? What do you wonder?

11.2: Moving Weeds and a Ball

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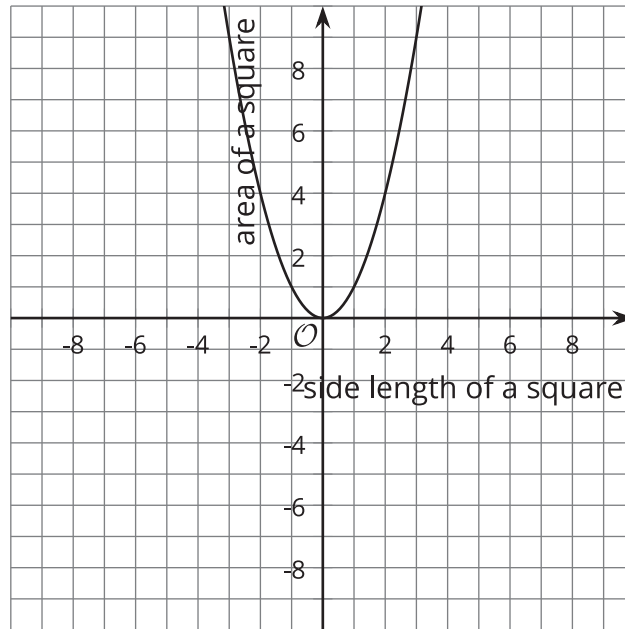

a.

b.

c.

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

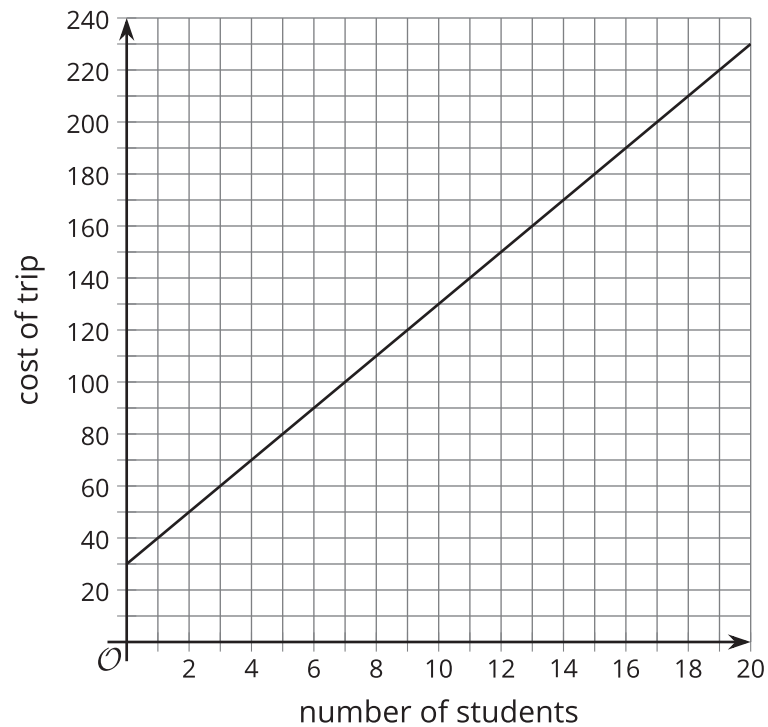- Not in the domain

- In the range

- Not in the range

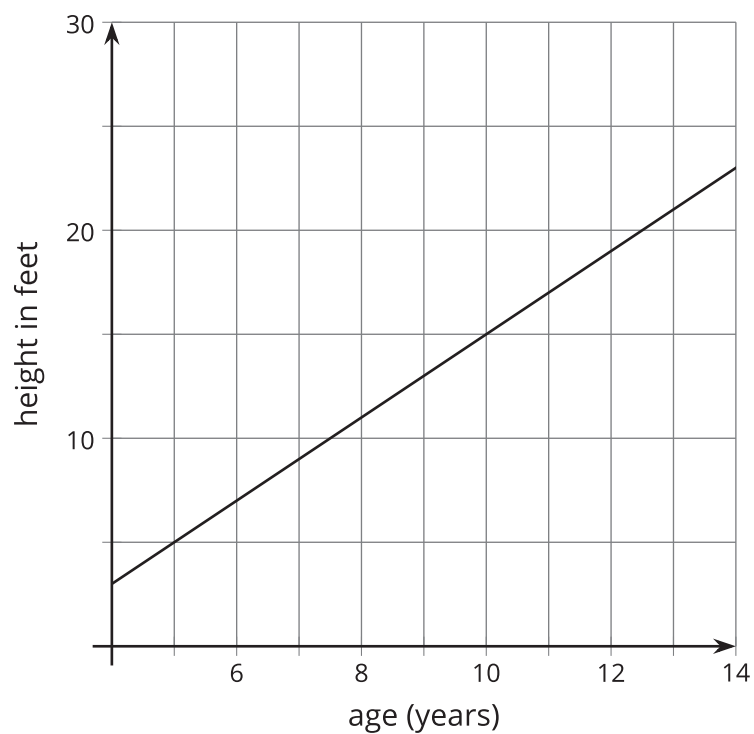## 11.3: Make It Realistic

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.