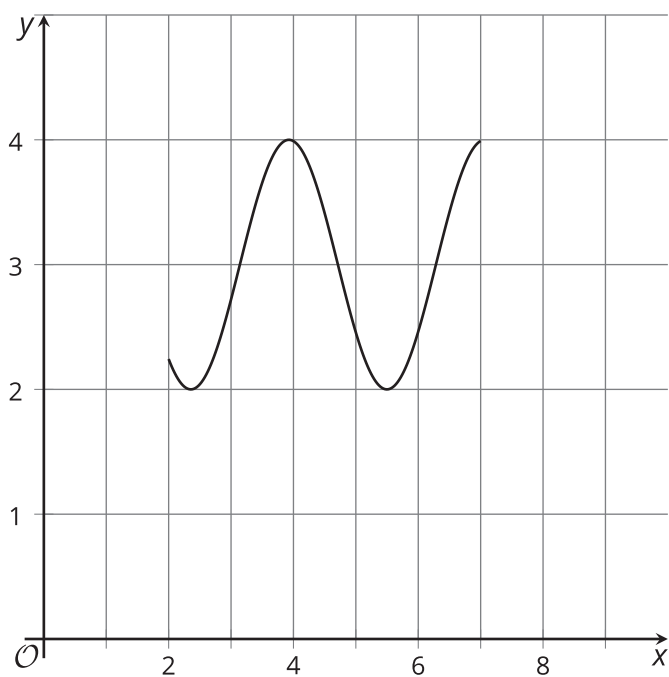


# Unit 4 Lesson 11: Examining Domains and Ranges

## 1 Notice and Wonder: A Wiggly Graph (Warm up)

### Student Task Statement

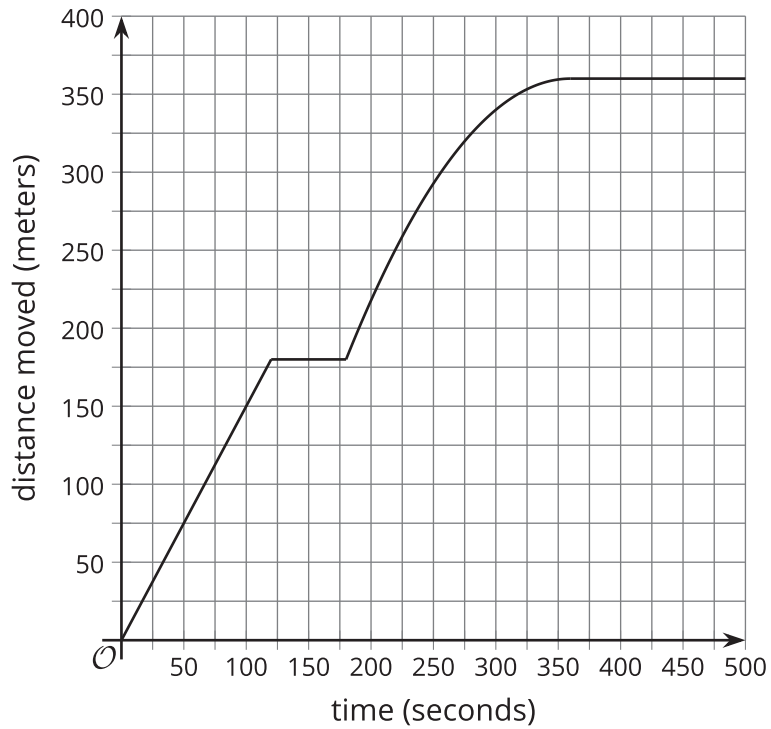
What do you notice? What do you wonder?



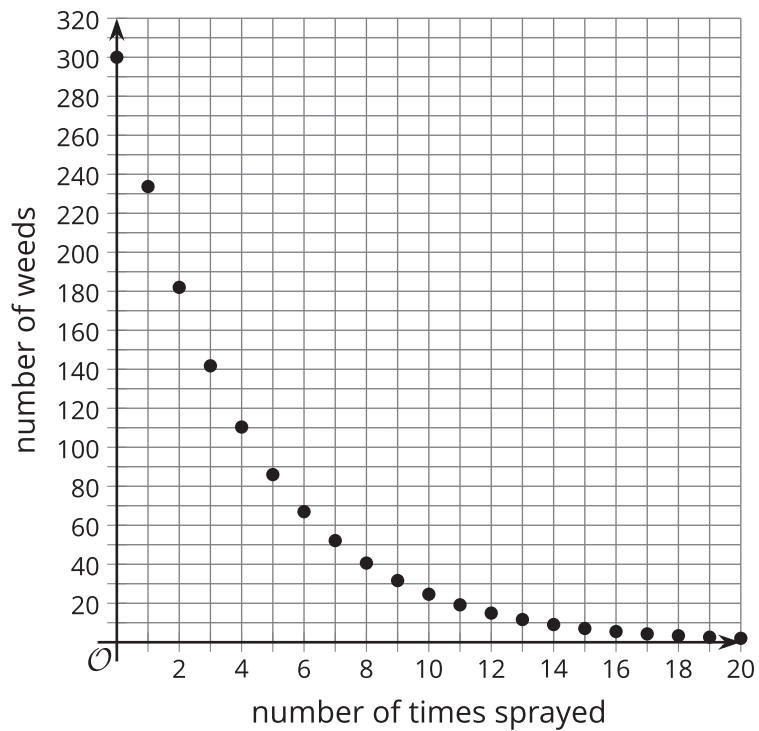
## 2 Moving Weeds and a Ball

### Student Task Statement

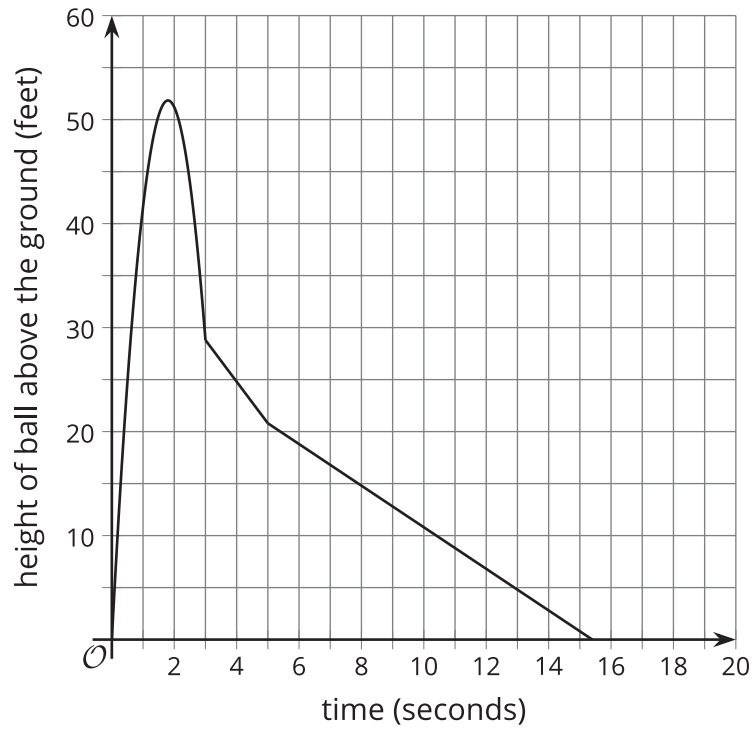
1. Examine these graphs and describe a situation that could match the situation.



a.



b.



c.

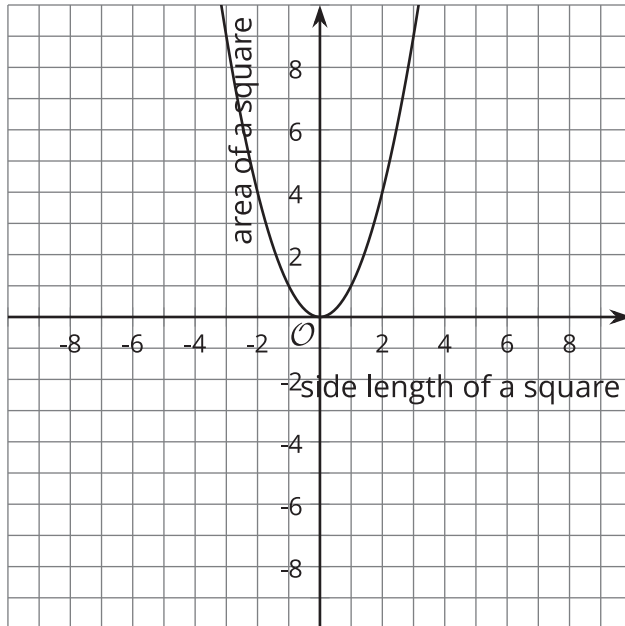
2. For each situation, give an example of a value that could be:

- In the domain
- Not in the domain
- In the range
- Not in the range

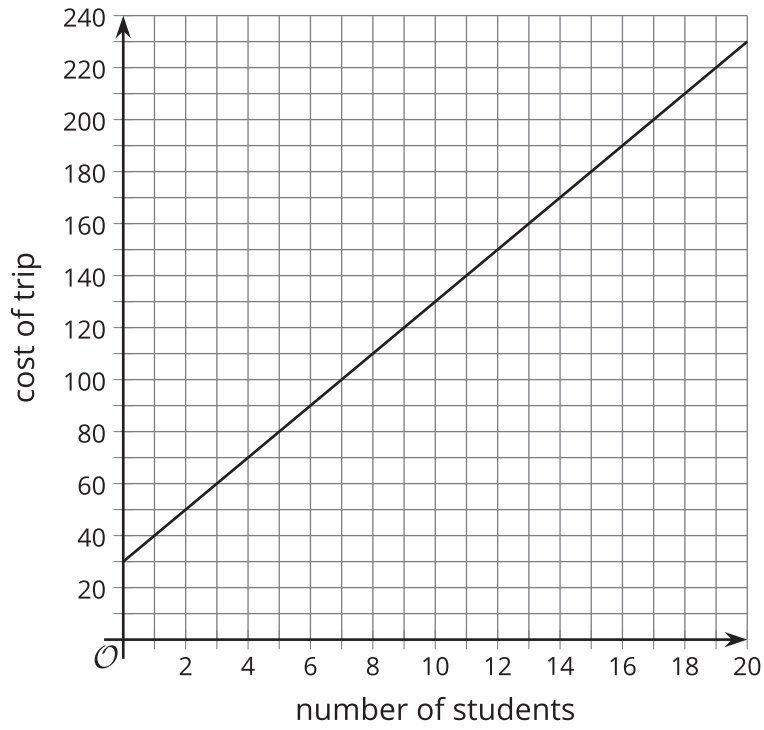
### 3 Make It Realistic

#### Student Task Statement

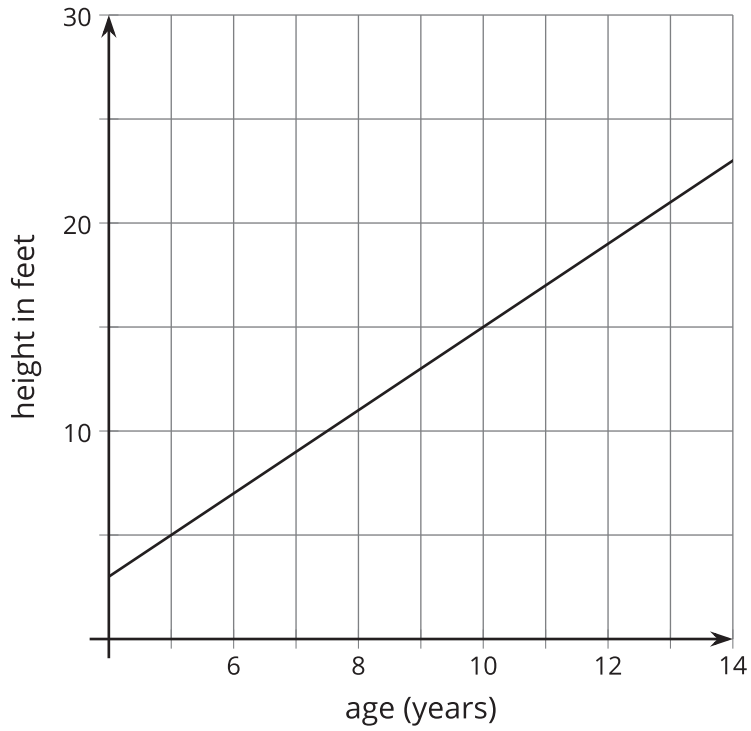
1. What is wrong with these graphs?
  - a. The graph relates the length of a side for a square and the area of the square.



- 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.