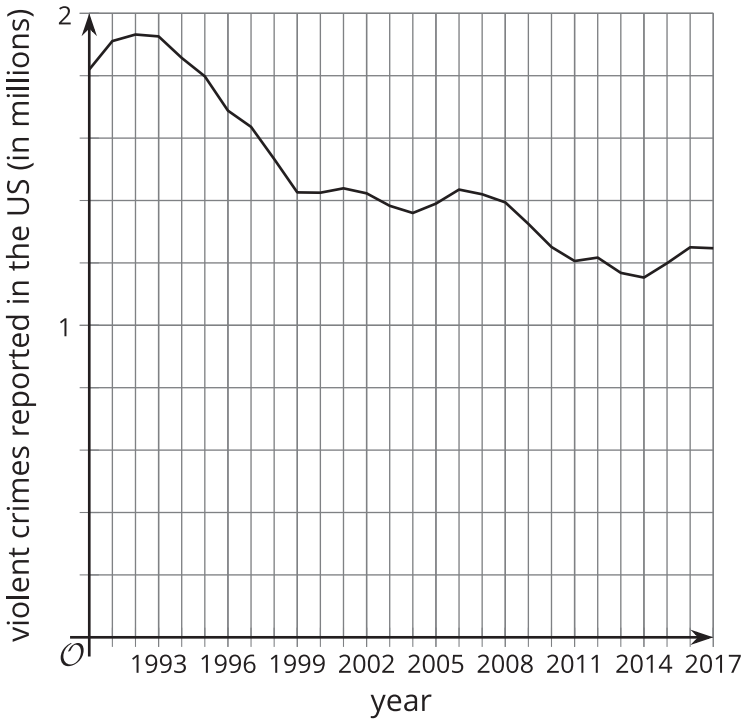
Unit 5, Lesson 8

Interpreting and Drawing Graphs for Situations

Let's make sense of graphs and situations.

8.1 Notice and Wonder: Crimes

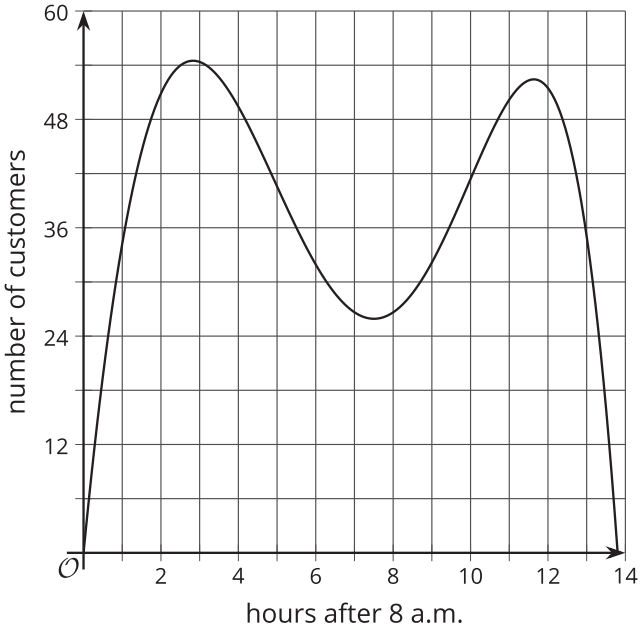
What do you notice? What do you wonder?



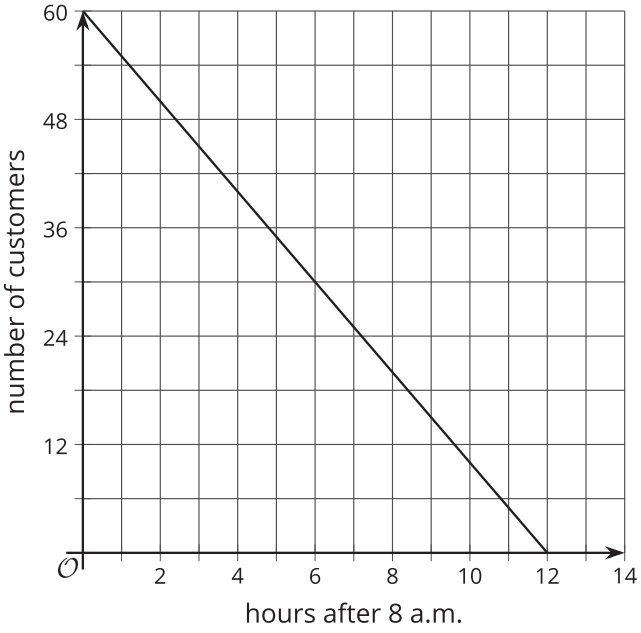
8.2 Businesses

These graphs show how busy businesses are at different times of the day.

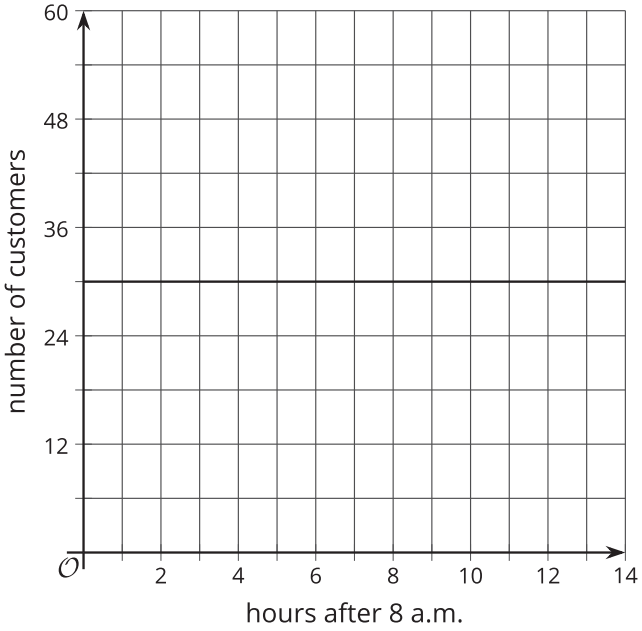
business A



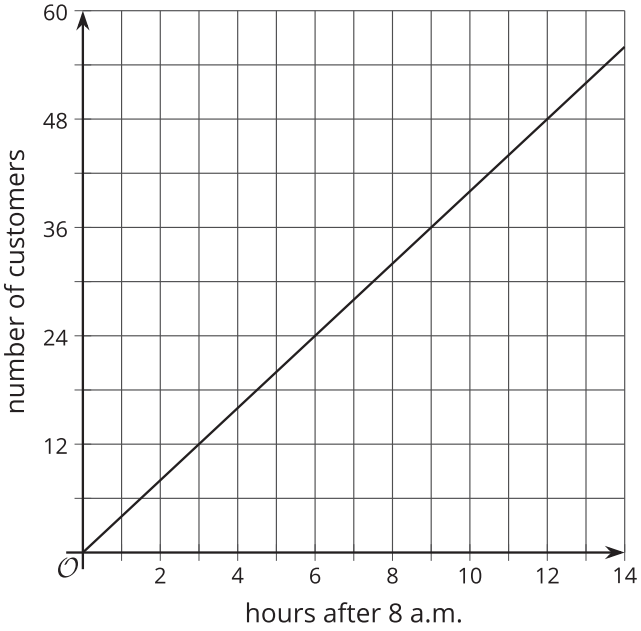
business B



business C



business D



For each situation, select the best business. Be prepared to explain your reasoning.

1. Which business is busy in the morning, then has fewer customers in the evening?

2. If Lin's mom wants to go to a popular evening business, which business should Lin take her mom to?

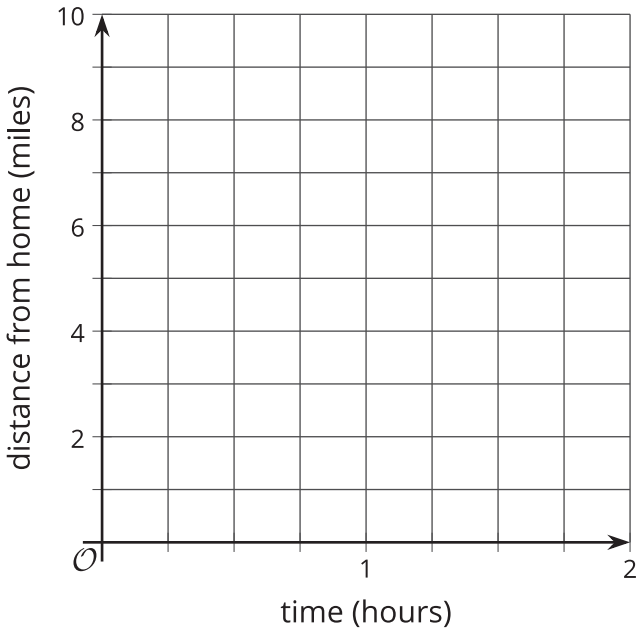
3. Noah's dad prefers businesses with few customers in the morning so that he can get in and out of the business quickly before going to work. Which business should Noah's dad go to in the morning?

4. If all of these businesses were nearby, which business would you visit if you had only 30 minutes? 1 hour?

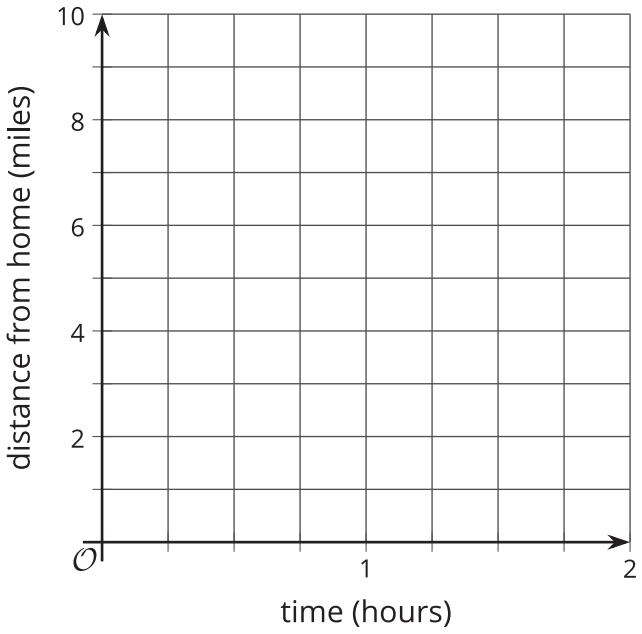
8.3 Draw the Graphs

For each situation, draw a graph that could represent it.

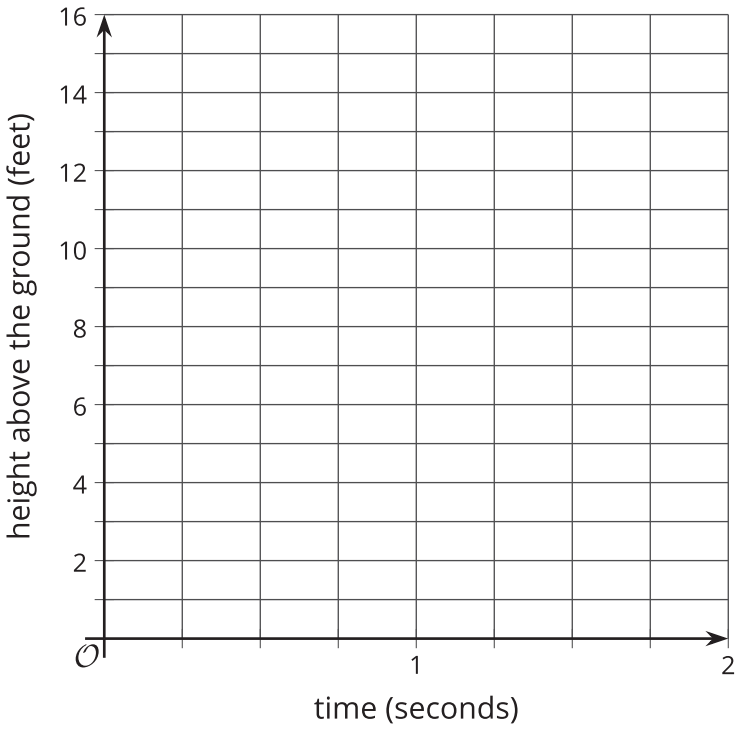
1. Diego starts at home and walks away from home at a steady rate of 3 miles per hour.



2. Mai starts 5 miles from home and walks at a steady rate of 3 miles per hour toward her home until she gets there and stays.



3. A soccer player kicks a ball that's on the ground so that it goes up to a height of about 10 feet and then comes back down to hit the ground 1.55 seconds after it was kicked.



4. The amount of charge left in a phone battery as a percentage is a function of time. Clare runs her phone until it is completely dead, then charges it all the way back up at a steady rate.

