

4-1 Reteaching

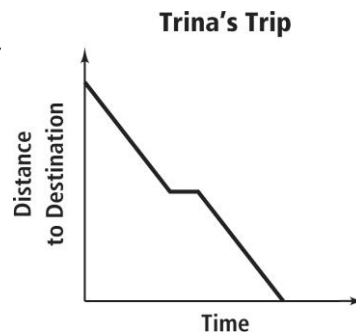
Using Graphs to Relate Two Quantities

An important life skill is to be able to read a graph. When looking at a graph, you should check the title, the labels on the axes, and the general shape of the graph.

Problem

What information can you determine from the graph?

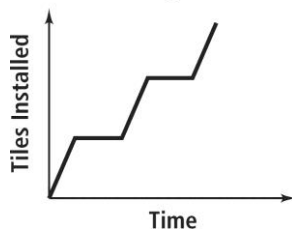
- The title tells you that the graph describes Trina's trip.
- The axes tell you that the graph relates the variable of time to the variable of distance to the destination.
- In general, the more time that has elapsed, the closer Trina gets to her destination. In the middle of the trip, the distance does not change, showing she stops for a while.



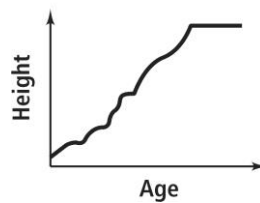
Exercises

What are the variables in each graph? Describe how the variables are related at various points on the graph.

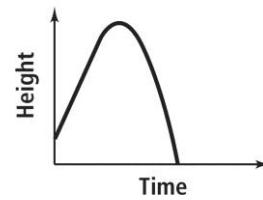
1. **Tiling Job**



2. **Dion's Growth Chart**



3. **Kicked Football**



A graph can show the relationship described in a table.

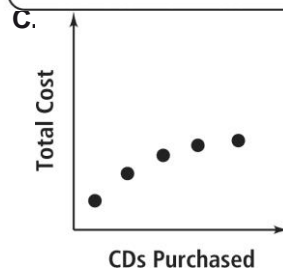
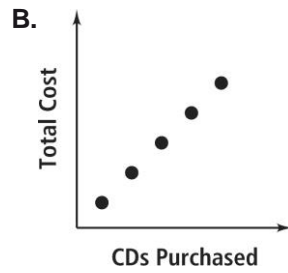
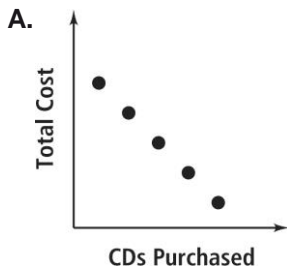
Problem

Which graph shown below represents the information in the table at the right?

Notice that for each additional CD purchased, the total cost increases by \$15. The points on the graph should be in a straight line that goes up from left to right. The graph that shows this trend is Graph B.

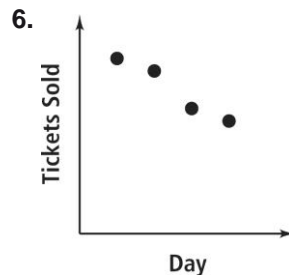
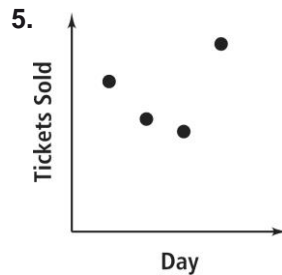
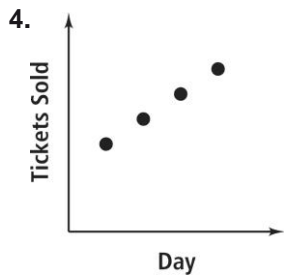
CDs Purchased	Total Cost
1	\$15
2	\$30
3	\$45
4	\$60
5	\$75

Arrows on the left indicate an increase of +1 in CDs Purchased for each row. Arrows on the right indicate an increase of +15 in Total Cost for each row.



Exercises

Match each graph with its related table. Explain your answers.



A.

Day	Tickets Sold
1	60
2	45
3	40
4	75

B.

Day	Tickets Sold
1	70
2	65
3	50
4	45

C.

Day	Tickets Sold
1	35
2	45
3	55
4	65

Sketch a graph to describe each situation. Label each section of the graph.

7. the number of apples on a tree over one year

8. the amount of milk in your bowl as you eat cereal

9. the energy you use in a 24-h period

10. your distance from home plate after your home run