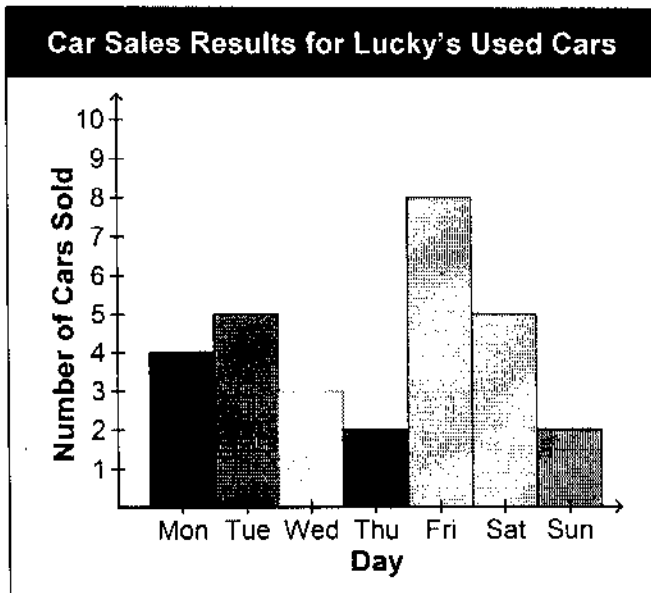
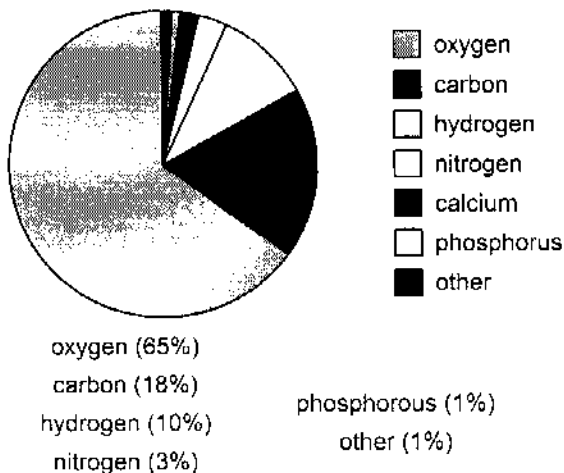


3. The graph below displays the number of cars sold each day for a given week at Lucky's Used Cars.



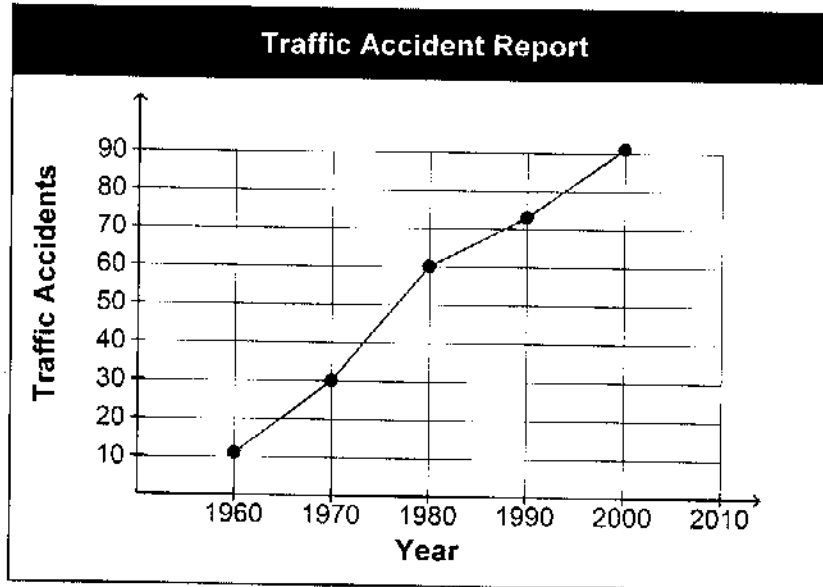
How many cars had been sold through Wednesday?

4. The human body is composed of many different chemical elements, as shown in the circle graph below.

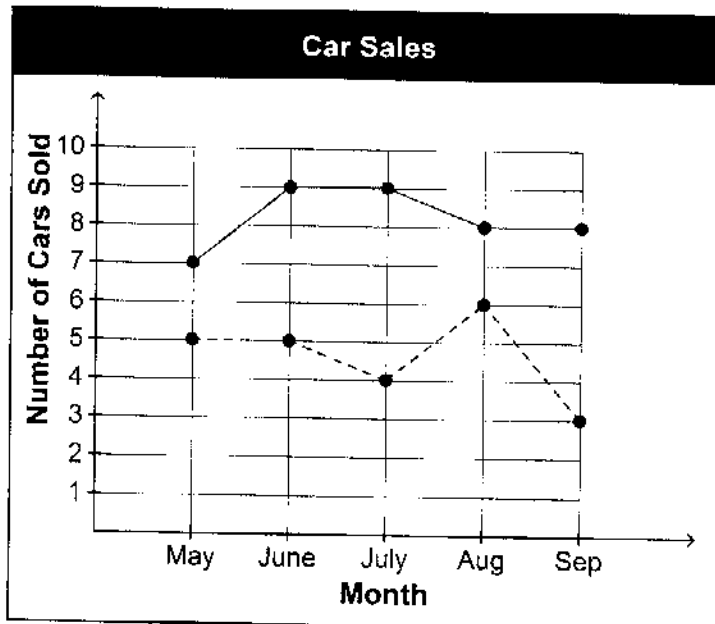


If a specific person weighs 55 kilograms, and the percentages on the graph are by weight, how many kilograms of calcium are there in that person? Round to the nearest hundredth if necessary.

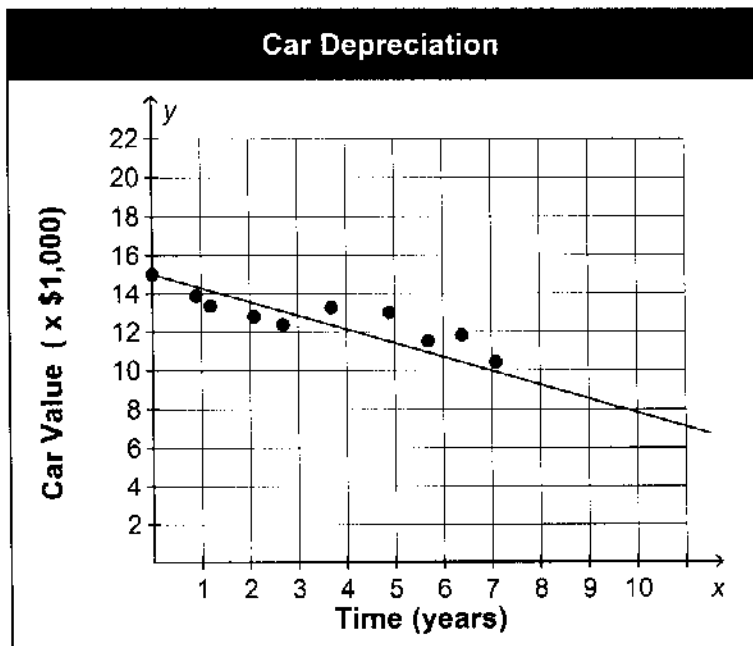
5. The line graph shows the number of traffic accidents that have occurred at a particular intersection for each of the past 10 years. Using this data, estimate the number of accidents that occurred at the intersection in the year 1985.



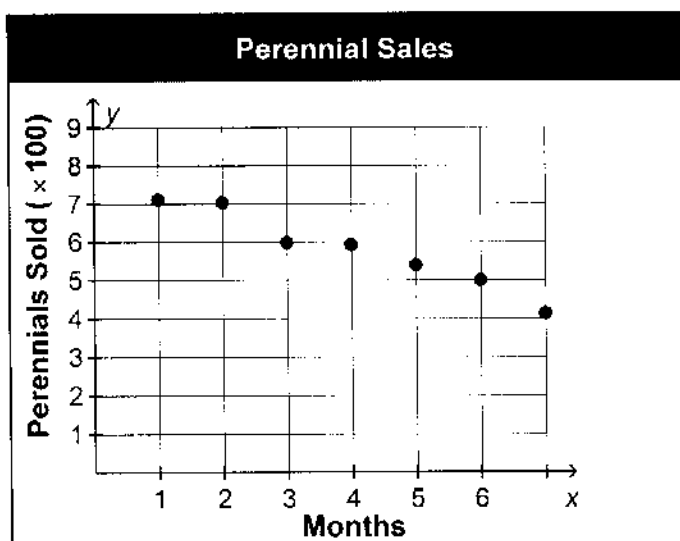
- a. about 92 accidents
b. about 57 accidents
c. about 67 accidents
d. about 76 accidents
6. Colleen and Edgar sell cars for the same dealership. The number of cars each salesperson has sold during the past several months is shown in the graph below. The solid red line represents the number of cars sold by Colleen, and the dashed blue line represents the number sold by Edgar. How many more cars did Colleen sell than Edgar in May?



- _____ 7. The scatterplot shows the average resale value of a particular car model after different lengths of time. Use the line of best fit to predict the resale value of the car after 10 years.

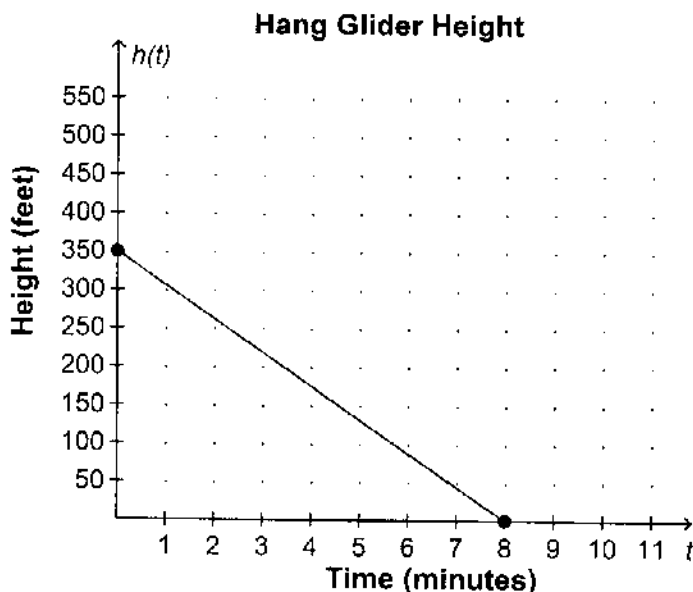


- a. \$7.80
b. \$15,000
c. \$5,800
d. \$7,800
- _____ 8. The scatterplot shows the number of perennial plants sold by a home and garden store over the past seven months. What conclusion can you draw from the scatterplot?



- a. As time increases, the number of perennials sold has decreased.
b. As time increases, the number of perennials sold has also increased.
c. As the number of perennials in stock increase, the number sold also increases.
d. Since there is no relationship in the data, no conclusion can be drawn.

The linear function $h(t)$ shown below gives the height of a hang glider after it begins its descent to the ground.



9. According to the linear function shown above, what was the height of the hang glider when it began its descent?
- 8 feet
 - 350 feet
 - 9 feet
 - 300 feet
10. According to the linear function shown above, how long will it take for the hang glider to land?
- 9 minutes
 - 275 minutes
 - 8 minutes
 - 350 minutes

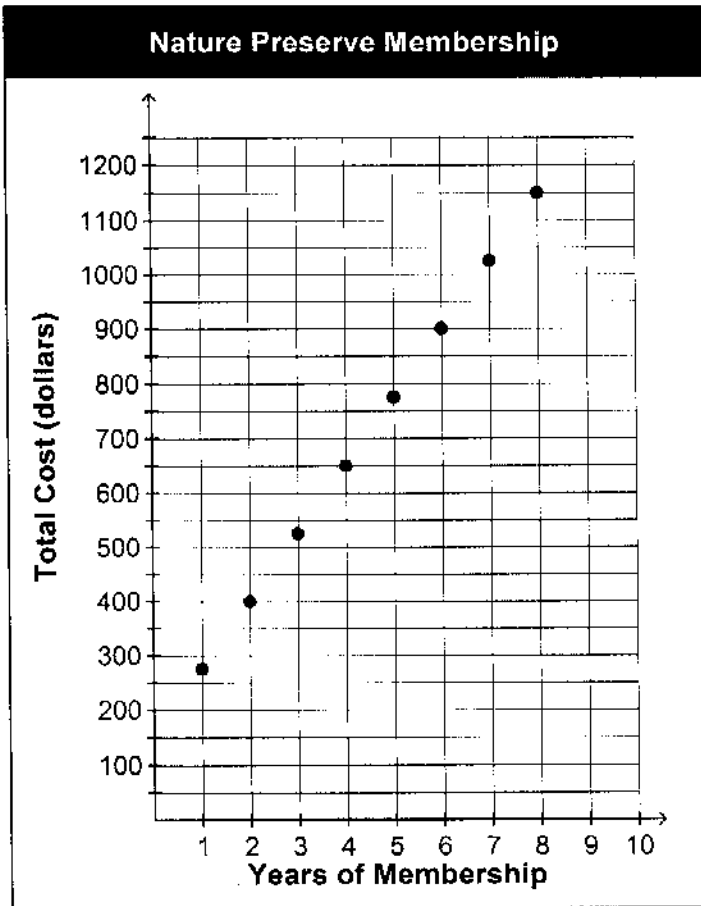
The table below shows some information about selected states in the United States.

State	Area (sq. km)	Population	Population Density (per sq. km)	Members in the House of Representatives
Alaska	1,530,700	401,851	0.3	1
Florida	151,939	9,746,421	64	19
Iowa	145,753	2,913,808	20	6
New York	127,189	17,558,072	138	34
Ohio	107,044	10,797,624	101	21

Source: The World Book Encyclopedia

11. What percentage of the states in the table above have at least 20 representatives in the House of Representatives? Express your answer as a decimal.
12. What percentage of the states in the table above have a population of at least the mean of the populations of the states listed? Express your answer as a decimal.

13. To become a member at a local nature preserve, applicants must pay an initiation fee of \$150 plus their yearly membership dues, as shown in the graph. What is the slope of the line joining these points, and what does the slope represent?



- a. The slope is 150. This represents the initiation fee of \$150.
- b. The slope is 125. This represents the annual dues payment of \$125.
- c. The slope is 150. This represents the annual dues payment of \$150.
- d. The slope is 125. This means that memberships last 125 months.

Name: _____

ID: A

14. The step function shows the cost of making a long distance phone call based on the length of the call. How much would a phone call that lasts 4 minutes 35 seconds cost? Express your answer in cents.

