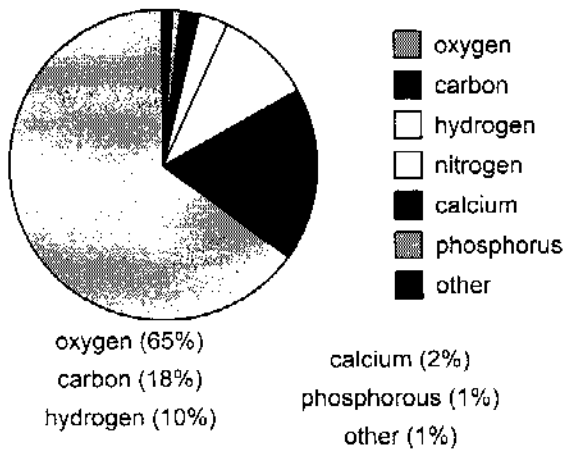


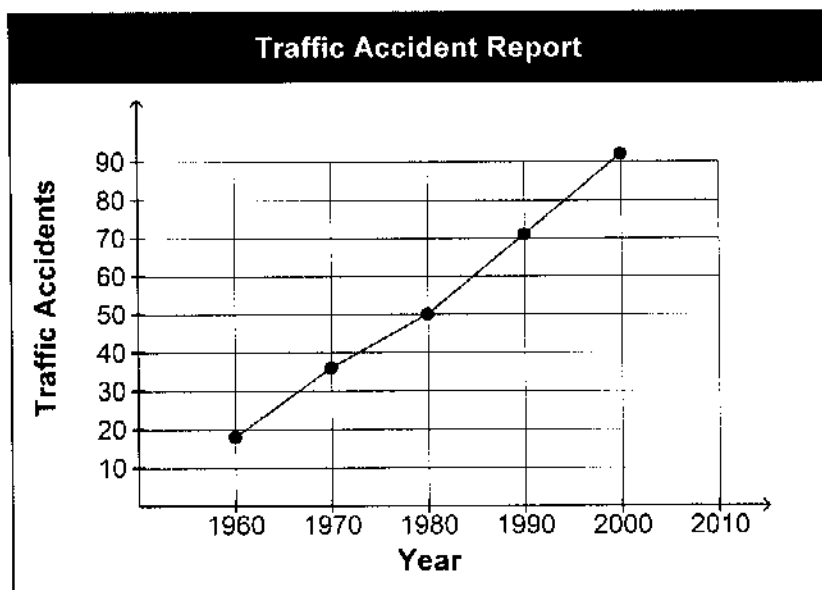


4. The human body is composed of many different chemical elements, as shown in the circle graph below.



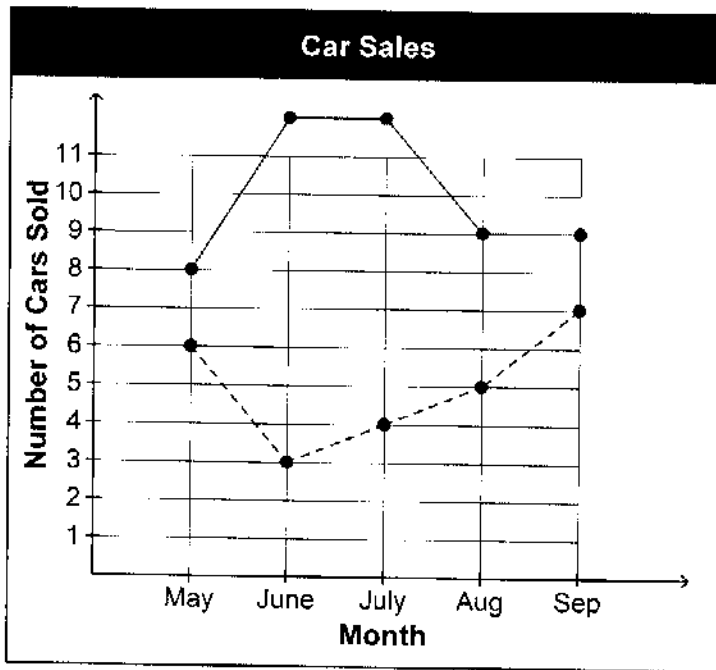
If a specific person weighs 75 kilograms, and the percentages on the graph are by weight, how many kilograms of nitrogen are there in that person? Round to the nearest hundredth if necessary.

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 1995.



- a. about 92 accidents  
b. about 100 accidents  
c. about 72 accidents  
d. about 82 accidents

6. Colleen and Terrance 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 Terrance. How many more cars did Colleen sell than Terrance in May?



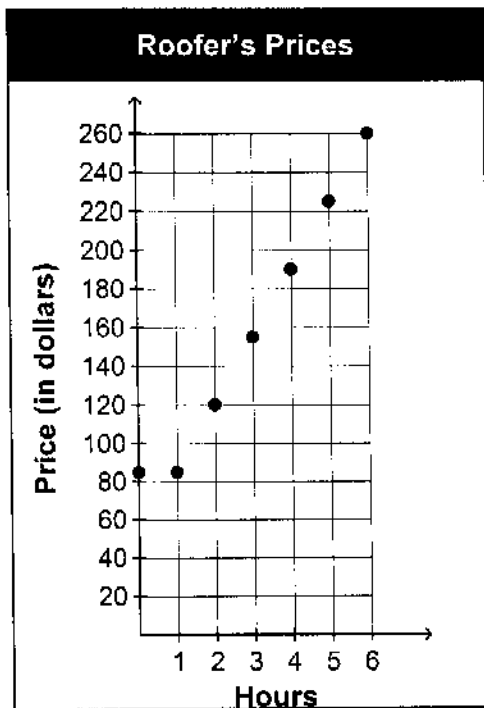
The table below shows some information about selected states in the United States.

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*

7. 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.

A roofer charges \$85 for the first hour of a service call and \$35 per hour for each additional hour, as shown on the graph below.



8. Refer to the data above. What number represents the roofer's initial charge?

a. 15                                      c. 35  
b. 1                                        d. 85

9. The step function shows the cost of shipping a package as a function of its weight in pounds. In dollars and cents, how much would it cost to ship a package that weighs 3 pounds 8 ounces?

