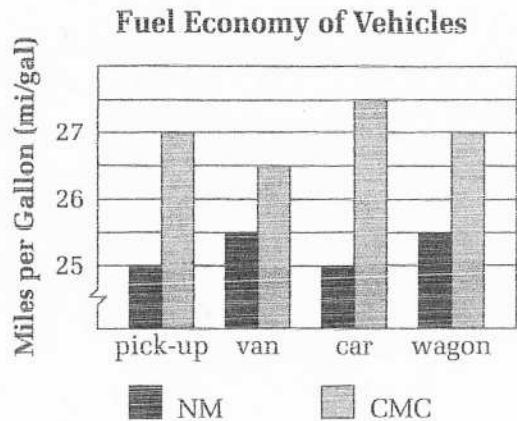


Practice 25

For use with Section 3-7

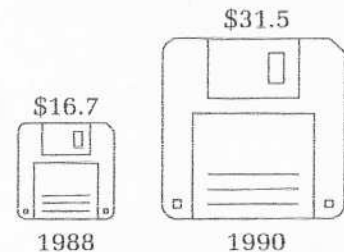
The graph at the right compares the fuel economy of vehicles made by Consolidated Motors Company (CMC) with vehicles made by National Motors (NM). Use the graph for Exercises 1–8.



- About how many times longer is the bar for the CMC pickup than the bar for the NM pickup?
- What is the actual ratio of the CMC pickup's fuel economy to the NM pickup's fuel economy?
- Does the graph give an accurate picture of the relationship between these two fuel economies?
- How much greater is the fuel economy of CMC's car than the fuel economy of NM's car? Choose the correct letter.
 - 1.5 mi/gal
 - 2.5 mi/gal
 - 25 mi/gal
 - 27.5 mi/gal
- What percent of the fuel economy of NM's car does the answer to Exercise 4 represent?
- Does the graph give an accurate picture of the true relationship between the fuel economies of the two cars?
- Do the other vehicle categories show accurately the relationship between corresponding fuel economies?
- Suppose one of the two companies, NM or CMC, used this graph in a magazine ad. Which one do you think it was?

In Exercises 9–13, use the graph at the right, showing sales of computer disks in one area of the country.

Computer Disk Sales (millions of dollars)



- About how many times greater were the 1990 sales of disks than the 1988 sales?
- Suppose the shapes are approximately square and that the width of the square for 1988 sales is x . Write an expression for the width of the square for 1990 sales, using x .
- Using x , write expressions for the areas of the squares that represent 1988 sales and 1990 sales.
- How many times greater is the area of the larger square?
- Does the graph give an accurate picture of the relationship between the two sales figures?