Name Date Time

LESSON 8•11

Charting Changes in Consumption

Many times the information that interests you has to be located in data displays with much more data than you need. Use the information on *Student Reference Book,* page 363 to complete the table below.

SRB 363

1. _____

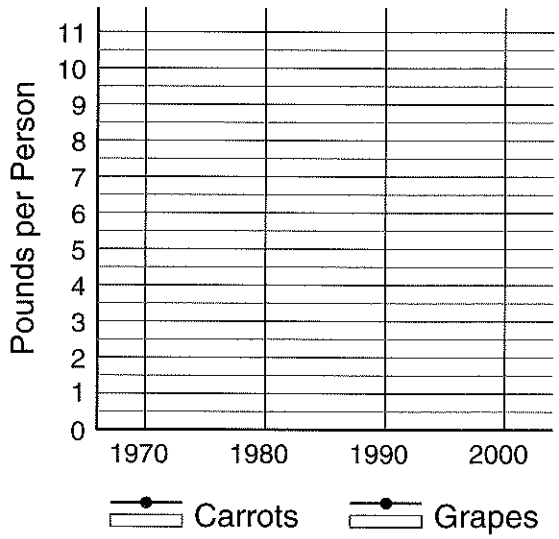
(title)

Foods	1970	1980	1990	2000
Carrots				
Grapes				

Line graphs can make it easier to compare changes in data over time. Use the data from your table in Problem 1 to make a line graph of the pounds of carrots and grapes eaten per person, per year in the United States. Use one color for the carrots data and a different color for the grapes data. Indicate your choices by coloring in the boxes of the graph key.

2. _____

title



3. What is one conclusion you could draw from the data in your line graph?

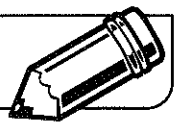
_____

_____

Name Date Time

LESSON 8•11

Using a Calculator with Percents



Finding the percent of a number is the same as multiplying the number by the percent. Usually, it's easiest to change the percent to a decimal and use a calculator.

Example: What is 65% of 55?

$65\% = \frac{65}{100} = 0.65$

Write the fraction and decimal for each percent.

1. 18% = _____ = _____

2. 60% = _____ = _____

3. 89% = _____ = _____

4. 7.5% = _____ = _____

Use your calculator and the percents in Problem 1 to find the percent of 55 by multiplying 55 by each decimal.

Example: 55 * 0.65

5. 18% of 55 = _____

6. 60% of 55 = _____

7. 89% of 55 = _____

8. 7.5% of 55 = _____

9. Write the calculator key sequence that you used.

Sometimes you know a percent and how much it's worth, but you don't know what the ONE is. Use a unit percent strategy first to find 1%, and then multiply by 100 to get 100%.

Example: 60 million is 37% of what number?

60 ÷ 37 = 1.6216216

1.6216216 * 100 = 162.16216

Using the fix function: 1.6216216 * 100 = 162 (rounded to the nearest whole number)

37% of 162 million is 59.94 million, or 60 million (rounded to the nearest ten million).

Use your calculator and unit percents to solve the following problems.

10. 42% of _____ = 18

11. 87% of _____ = 65

12. 63% of _____ = 28 million