

● **Lesson 9-8**

12. Make a circle graph for the set of data at the right.

**U.S. Service Academy
2001 Enrollment**

School	Enrollment
Army	4,152
Navy	4,297
Air Force	4,365
Coast Guard	919
Merchant Marine	931

SOURCE: College Board Handbook

● **Lesson 9-9 Choose the appropriate graph to display each set of data.**

13. circle graph or scatter plot? parts of a monthly budget
 14. box-and-whisker plot or double bar graph? number of girls and number of boys in three classes

Word Problems

● **Lesson 9-1**

15. A student bused tables for the summer. His tips for one week were \$15, \$45, \$51, \$66, \$39, \$49, and \$78. How does the outlier affect the mean?

● **Lessons 9-2, 9-3, and 9-4**

16. ages of members of the ski team: 17 15 14 15 16 14 17 14 13 14 16
 17. In a class of 21 students, 14 take Spanish, 10 take French, and 5 take both languages. Use a Venn diagram to find how many students do not take either language.
 18. Make two bar graphs for the data at the right. Use a break symbol in only one graph. Explain which graph shows the data more clearly.

Farm Animals

Type of Animals	Number of Animals
Cow	12
Pig	38
Horse	5
Chicken	100

● **Lessons 9-5, 9-6, and 9-7**

19. Make a stem-and-leaf plot and a box-and-whisker plot for the data set. gymnastics scores: 6.9 9.1 2.7 7.5 6.6 8.3 7.2 10.0 5.4 7.9 6.3
 20. Make a scatter plot for the minimum wage data shown at the right. If possible, draw a trend line.

Minimum Wage (1975–2005)

Year	1975	1980	1985	1990	1995	2000	2005
Minimum Wage	\$2.10	\$3.10	\$3.35	\$3.80	\$4.25	\$5.15	\$5.15

SOURCE: U.S. Dept. of Labor. Go to PHSchool.com for a data update. Web Code: asg-9041

● **Lesson 9-8**

21. Dana surveyed 125 students about their favorite subject in school. Display the results, shown at the right, in a circle graph.

Favorite Academic Subject

Subject	Number of Students
English	30
Math	15
Science	23
Social Studies	57

● **Lesson 9-9**

22. Is a stem-and-leaf plot or a bar graph appropriate to display the number of students at three schools? Explain your choice.