**Chapter 12 Practice Test** SCORE \_\_\_\_\_\_\_\_\_\_\_\_

**Write the letter for the correct answer in the blank at the right of each question.**

**1.** Which of the following is an appropriate display to show interest rates over the past 3 weeks?

**A.** bar graph **B.** line graph **C.** circle graph **D.** histogram

**2.** Which of the following is an appropriate display to show the heights of adults arranged by intervals?

**F.** bar graph **G.** line graph **H.** circle graph **I.** histogram

**For Exercises 3-4, use the box plot. It shows the number of days on the market for single family homes in a city.**



**3.** What are the third and first quartiles of the data?

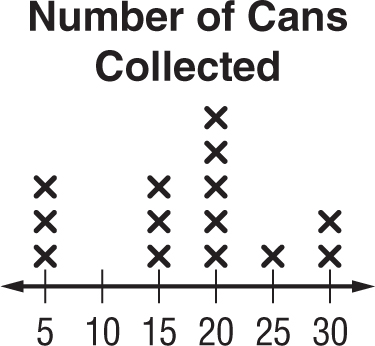
**A.** 40, 30 **C.** 140, 0

**B.** 140, 80 **D.** 80, 30

**4.** What percent of homes were on the market between 40 and 140 days?

**F.** 25% **G.** 50% **H.** 75% **I.** 100%

**For Exercises 5-7, use the line plot below. It shows the number of cans collected by the student council.**



**5.** What is the mean of the data?

**A.** 15 **B.** 17.5 **C.** 22.5 **D.** 25

**6.** Which of the following describes the shape of the data distribution?

**F.** There is a peak at 15. **H.** There is a gap from 25-30.

**G.** There is a cluster from 5-15. **I.** It is not symmetric.

**7.** Which of the following describes the data?

**A.** symmetric **C.** peak at 15

**B.** not symmetric **D.** cluster at 10

**1. \_\_\_\_\_\_\_\_\_\_\_\_**

**2. \_\_\_\_\_\_\_\_\_\_\_\_**

**3. \_\_\_\_\_\_\_\_\_\_\_\_**

**4. \_\_\_\_\_\_\_\_\_\_\_\_**

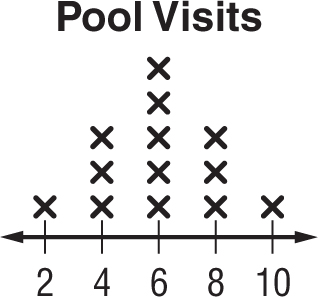
**5. \_\_\_\_\_\_\_\_\_\_\_\_**

**6. \_\_\_\_\_\_\_\_\_\_\_\_**

**7. \_\_\_\_\_\_\_\_\_\_\_\_**

**Test, Form 1B *(continued****)* SCORE \_\_\_\_\_\_\_\_\_\_\_\_

**For Exercises 8 and 9, use the line plot that shows the number of times students went to the pool in June.**



**8.** Which of the following is true?

**F.** the data is not symmetric **H.** no gaps

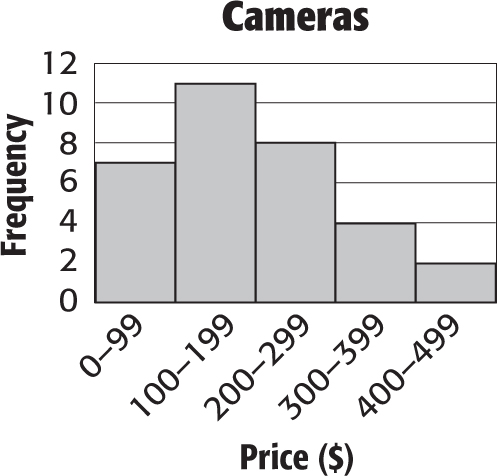
**G.** peak at 4 **I.** no mode

**9.** Which would you use to describe the spread of the data?

**A.** clusters **C.** range

**B.** interquartile range **I.** mean absolute deviation

**For Exercises 10 and 11, refer to the histogram.**



**10.** How many cameras cost less than $100?

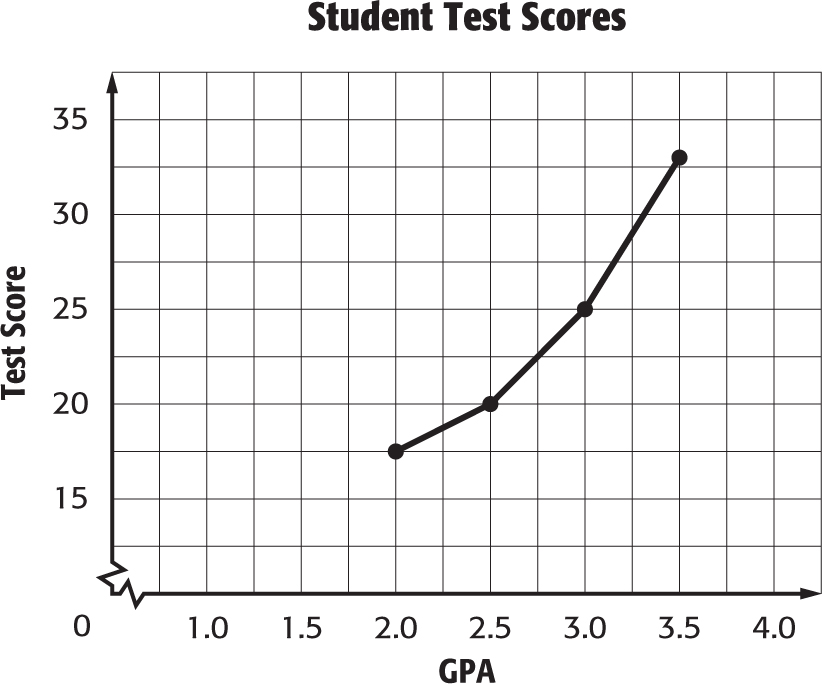
**F.** 2 **G.** 7 **H.** 8 **I.** 18

**11.** Which price range has the least frequency?

**A.** $0–$99 **C.** $100–$199

**B.** $300–$399 **D.** $400–$499

**12.** The graph shows test scores of students with various grade point averages. What is the best prediction of a student with a grade point average of 3.25?



**F.** 34

**G.** 32

**H.** 29

**I.** 25

**8. \_\_\_\_\_\_\_\_\_\_\_\_**

**9. \_\_\_\_\_\_\_\_\_\_\_\_**

**10. \_\_\_\_\_\_\_\_\_\_\_**

**11. \_\_\_\_\_\_\_\_\_\_\_**

**12. \_\_\_\_\_\_\_\_\_\_\_**