A. 1.5   B. 0   C. 1   D. 2

26. Find the mean.
A. .73   B. 2   C. 1.37   D. 1.76

ANSWERS TO PRACTICE EXERCISES

1. C	**2.** D	**3.** A	**4.** B	**5.** C	**6.** A
7. B	**8.** B	**9.** D	**10.** B	**11.** B	**12.** B
13. B	**14.** C	**15.** D	**16.** A	**17.** A	**18.** D
19. B	**20.** D	**21.** D	**22.** D	**23.** A	**24.** B
25. B	**26.** A				

The table at right shows the distribution of Test 2 scores for students in one section of MGF1106, Spring 1999. This data is authentic.

score	freq
33	1
40	1
47	1
53	1
57	1
60	2
63	1
70	5
73	3
77	4
80	4
90	2
97	3

19. Select the statement that is true.
A. The total number of students was 13.
B. The total number of students was 29.
C. Five students had scores greater than 90.
D. 3% of students had scores greater than 97.

20. Find the median score.
(Answers may have been rounded.)
A. 63   B. 70   C. 15   D. 73

21. Find the mean score.
(Answers may have been rounded.)
A. 65   B. 63   C. 67   D. 72

The table at right displays real data collected in Spring 1999 from a group of MGF1106 students responding to the question "How many keys are you carrying?" Refer to this table for exercises 12 - 24.

# of keys	frequency
0	9
1	8
2	38
3	33
4	78
5	36
6	17
7	10
8	8
9	4
12	3
13	1
16	1

22. Select the statement that is correct.
A. The total number of responses was 13.
B. Sixteen people had 1 key.
C. Eight people had fewer than 2 keys.
D. Seventy-eight people had 4 keys.

23. Find the median number of keys.
A. 4   B. 6   C. 78   D. 123.5

24. Find the mean number of keys.
A. 5.06   B. 4.11   C. 6.62   D. 18.23

A sample of students enrolled in in MGF1106, Fall 1999, were asked: "Prior to this semester, how many college math classes have you failed (grade of D or lower)?" The responses are summarized in the frequency table at right.

# of failures	freq
0	30
1	8
2	12
5	1

25. Find the median.

The table at right shows the distribution of ACT Math scores for a sample of students enrolled in MGF1106, Fall 1999. The data is authentic. Refer to the table for exercises 15 - 18.

ACT Math	freq
15	1
16	1
17	10
18	7
19	13
20	9
21	7
22	7
23	13
24	4
25	3
26	4
28	3
29	1
30	1

15. Select the statement that is true.

A. 17 students had scores of 10.
B. 42 students had scores of 13.
C. A and B are both true.
D. A, B and C are all false.

16. Find the mean ACT score (answers may be rounded).
A. 21   B. 23   C. 22   D. 24

17. Find the median ACT score (answers may be rounded).
A. 21   B. 23   C. 22   D. 24

18. Find the mode.
A. 19   B. 23   C. 13   D. The mode is not unique.   .

The table at right shows the distribution of scores on Quiz #6 in MGF1106 for Sections 01-08, Spring 1999. Refer to the table for exercises 11 - 14.

score	freq
6	11
8	26
10	27
12	32
14	31
16	12
18	15
20	7

11. Select the statement that is correct.
A. 6 people had scores of 11.
B. 27 people had scores of 10.
C. A and B are both correct.
D. All of these are false.

12. Find the median quiz score.
A. 13.5   B. 12   C. 31.5   D. 13

13. Find the mean quiz score.
(Answers may have been rounded.)
A. 12   B. 12.2   C. 13   D. 13.4

14. Find the mode.
A. 31   B. 7   C. 12   D. 7

PRACTICE EXERCISES

1. Find the median of the data: 5, 7, 4, 9, 5, 4, 4, 3
A. 5.125   B. 14   C. 4.5   D. 4

2. Find the mean of the following data: 12, 10,15, 10, 16, 12,10,15, 15, 13
A. 13   B. 12.5   C. 15   D. 12.8

3. Find the mode of the following data: 20, 14, 12, 14, 26, 16, 18, 19, 14
A. 14   B. 17   C. 26   D. 16

4. Find the mean of the folowing data: 0, 5, 2, 4, 0, 5, 0, 3, 0, 5,   0, 3
A. 0   B. 2.25   C. 2.5   D. 3.86

5. Find the median of the following data: 25, 20, 30, 30, 20, 24, 24, 30, 31
A. 20   B. 26   C. 25   D. 30

6. Find the median of the following data: 1, 6, 12, 19, 5, 0, 6
A. 6   B. 7   C. 19   D. 3.5

7. Find the mean of the following data: 20, 24, 24, 24, 22, 22, 24, 22, 23, 25
A. 23.5   B. 23   C. 24   D.

8. Find the mode of the following data: 5, 0, 5, 4, 12, 2, 14
A. 4   B. 5   C. 6   D.. 0

9. Find the mean of the following data: 0, 5, 30, 25, 16, 18, 19, 26, 0, 20, 28
A. 0   B. 18   C. 19   D. 17

10. Find the median of the following data: 9, 6, 12, 5, 17, 3, 9, 5, 10, 2, 8, 7
A. 6.5   B. 7.5   C. 6   D. 7.75