

Frequency Practice

Name: _____

Date: _____

1. Given the following table, which score is the mode?

1. _____

Score	Frequency
98	2
95	3
92	2
87	1
84	2

2. The table below shows the distribution of scores on a math test. Using the data in the table, determine the total number of students who took the test.

2. _____

Interval	Tally	Cumulative Frequency
61-70		4
71-80		10
81-90		12
91-100		16

3. The accompanying table shows the number of arithmetic problems completed correctly by students on a recent test. What is the mode of the distribution?

3. _____

Number Correct	Frequency
20	1
19	2
18	5
17	8
16	4

4. Based on the data in the table, which interval contains the median?

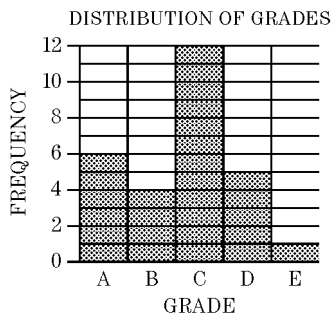
4. _____

- A. 0–5 B. 6–10
C. 11–15 D. 16–20

Interval	Frequency
0–5	1
6–10	2
11–15	2
16–20	4

5. The histogram shows the grade distribution for a mathematics test given to Ms. Keith’s class. How many students are in the class?

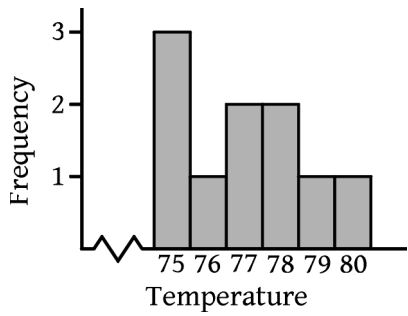
5. _____



6. The cumulative frequency table shows the distribution of scores on a math test. How many scores were greater than 90? 6. _____

Interval	Cumulative Frequency
61-70	4
61-80	10
61-90	12
61-100	16

7. The histogram shows the distribution of temperatures for ten days. Which temperature is the mode? 7. _____



8. The accompanying frequency table shows data collected by the police in an automobile speed check. Which interval contains the median speed?

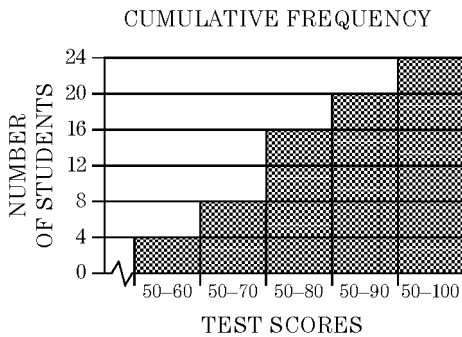
8. _____

- A. 36–45 B. 46–55
 C. 56–65 D. 66–75

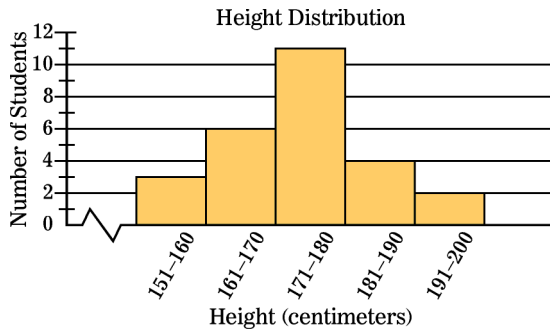
Speed Interval	Frequency
66–75	45
56–65	110
46–55	120
36–45	25

9. The accompanying frequency histogram shows the scores that 24 students received on an English test. How many students had scores between 71 and 80?

9. _____



10. The accompanying histogram shows the height distribution for students in a high school mathematics class. What is the total number of students in the class? 10. _____



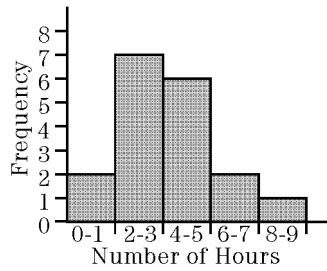
11. In the table, which interval contains the median? 11. _____

Interval	Frequency
80-100	2
60-79	3
40-59	4
20-39	2

- A. 80-100 B. 60-79 C. 40-59 D. 20-39

12. The accompanying histogram shows the results of a survey of the number of hours a group of teenagers listened to their CD players each day. What is the total number of teenagers who were surveyed?

12. _____



13. What is the mode of the data shown in the table?

13. _____

- A. 12 B. 12.5 C. 13 D. 51.5

Measure x_i	Frequency f_i
5	3
12	2
13	5
18	4

14. The test scores for 10 students in Ms. Sampson's homeroom were 61, 67, 81, 83, 87, 88, 89, 90, 98, and 100. Which frequency table is accurate for this set of data?

14. _____

A.

Interval	Frequency
61–70	2
71–80	2
81–90	7
91–100	10

B.

Interval	Frequency
61–70	2
71–80	2
81–90	8
91–100	10

C.

Interval	Frequency
61–70	2
71–80	0
81–90	8
91–100	10

D.

Interval	Frequency
61–70	2
71–80	0
81–90	6
91–100	2

15. The table below shows a cumulative frequency distribution of runners' ages.

15. _____

**Cumulative
Frequency
Distribution of
Runners' Ages**

Age Group	Total
20–29	8
20–39	18
20–49	25
20–59	31
20–69	35

According to the table, how many runners are in their forties?

- A. 25 B. 10 C. 7 D. 6

16. Which table shows bivariate data?

16. _____

A.

Age (yr)	Frequency
14	12
15	21
16	14
17	19
18	15

B.

Type of Car (yr)	Average Gas Mileage(mpg)
van	25
SUV	23
luxury	26
compact	28
pickup	22

C.

Time Spent Studying(hr)	Test Grade (%)
1	65
2	72
3	83
4	85
5	92

D.

Day	Temperature (degrees F)
Monday	63
Tuesday	58
Wednesday	72
Thursday	74
Friday	78

17. The cumulative frequency table below shows the number of minutes 31 students spent text messaging on a weekend.

17. _____

Text-Use Interval (minutes)	Cumulative Frequency
41–50	2
51–60	5
61–70	10
71–80	19
81–90	31

Determine which 10-minute interval contains the median. Justify your choice.

Frequency Practice 3/16/2020

1.
Answer: 95
Points: 1

2.
Answer: 15
Points: 1

3.
Answer: 17
Points: 1

4.
Answer: C
Points: 1

5.
Answer: 28
Points: 1

6.
Answer: 4
Points: 1

7.
Answer: 75
Points: 1

8.
Answer: C
Points: 1

9.
Answer: 8
Points: 1

10.
Answer: 26
Points: 1

11.
Answer: C
Points: 1

12.
Answer: 18
Points: 1

13.
Answer: C
Points: 1

14.
Answer: D
Points: 1

15.
Answer: C
Points: 1

16.
Answer: C
Points: 1

17.
Answer: 71–80, and a correct justification is given.
Points: 1