Frequency Tables/Histograms - Mini Assessment **Name:** _____

1. The number of hours Kent worked at his job during each of 20 weeks is listed below.

   4 8 12 14 16 16 18 20 22 24 24 24 26
   28 29 30 32 36 36 40

   Which frequency table displays the data?

   A. **Kent's Work Hours**

Number of Hours Worked in a Week	Frequency
1–10	2
11–20	6
21–30	8
31–40	4

   B. **Kent's Work Hours**

Number of Hours Worked in a Week	Frequency
1–10	2
11–20	5
21–30	9
31–40	4

   C. **Kent's Work Hours**

Number of Hours Worked in a Week	Frequency
1–10	2
11–20	5
21–30	8
31–40	5

   D. **Kent's Work Hours**

Number of Hours Worked in a Week	Frequency
1–10	2
11–20	6
21–30	9
31–40	5

2. Ms. Duff wrote how many seconds it took each of 12 students to complete a set of math problems. The times are shown below.

Times in Seconds		
39	38	58
48	37	47
59	49	58
43	50	46

   Ms. Duff is writing tally marks for the times in the chart below.

   Times to Complete Math Problems

Time in Seconds	Number of Students
30–39	𝍸
40–49	𝍸 𝍸
50–59	?

   How many tally marks should Ms. Duff write in the row for 50–59 seconds?

   A. 𝍸 B. 𝍸 | C. 𝍸 𝍸 D. 𝍸 𝍸 |||

3. Pascal records the scores from a basketball team's last 24 games, as shown below.

74	69	69	68	83	68	74	69
81	78	64	62	68	61	77	71
78	68	77	69	62	61	76	69

   He displays the scores in this frequency table. Pascal's frequency table contains an error.

   Basketball Scores

Range of Scores	Frequency
60 – 64	4
65 – 69	9
70 – 74	3
75 – 79	5
80 – 84	2

   Which statement best describes the error in Pascal's frequency table?

   A. The 75–79 range has too few scores.

   B. The 80–84 range has too many scores.

   C. The total frequency is too low.

   D. The total frequency is too high.

4. Mr. Logan made this frequency table to organize his students' test scores.

TEST SCORES

Score	Frequency
90–100	16
80–89	9
70–79	2
60–69	2

Mr. Logan wants to add these test scores to his frequency table.

95 65 80 75 100 65

Which frequency table displays all of Mr. Logan's test score data?

A. **TEST SCORES**

Score	Frequency
90–100	19
80–89	11
70–79	4
60–69	2

B. **TEST SCORES**

Score	Frequency
90–100	17
80–89	10
70–79	3
60–69	3

C. **TEST SCORES**

Score	Frequency
90–100	18
80–89	10
70–79	3
60–69	4

D. **TEST SCORES**

Score	Frequency
90–100	18
80–89	9
70–79	3
60–69	2

5. Lin wrote down the tool each of his friends uses to draw pictures. Look at Lin's list.

Crayons	Crayons	Colored Pencils
Colored Pencils	Markers	Markers
Markers	Crayons	Markers
Markers	Crayons	Colored Pencils

Which tally chart matches Lin's list?

A.

Tool	Number of Friends
Crayons	||||
Colored Pencils	||
Markers	𝍸 |

B.

Tool	Number of Friends
Crayons	||||
Colored Pencils	||
Markers	𝍸

C.

Tool	Number of Friends
Crayons	||||
Colored Pencils	|||
Markers	||||

D.

Tool	Number of Friends
Crayons	||||
Colored Pencils	|||
Markers	𝍸

6. On a histogram, if each interval represents 5 years, how many intervals would be needed to represent a group of people ages 21 to 65?

A. 7 B. 9 C. 10 D. 13

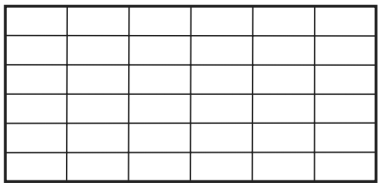
7. A high school gym class was jumping rope. They wanted to find out how many times the typical student could jump rope without missing. They collected and analyzed some data. Here's what they discovered:

Number of Jumps	Number of Students
1 to 19	11
20 to 39	8
40 to 59	5
60 to 79	0
80 to 100	10
Greater than 100	8

Create a histogram to display the data. Label and scale both axes.

Show the work.

Continuous Jumps of High School Students



8. A teacher has a set of markers. Some information about the markers in the set is listed below.

- The number of blue markers is equal to the number of green markers.
- The number of pink markers is equal to the number of yellow markers.
- There are more orange markers than any other color marker.

Based on the list, which table could show the total number of markers of each color in the set of markers?

A.

Markers

Color	Number
Blue	3
Green	3
Orange	15
Pink	10
Yellow	11

B.

Markers

Color	Number
Blue	3
Green	3
Orange	1
Pink	10
Yellow	10

C.

Markers

Color	Number
Blue	4
Green	3
Orange	10
Pink	3
Yellow	4

D.

Markers

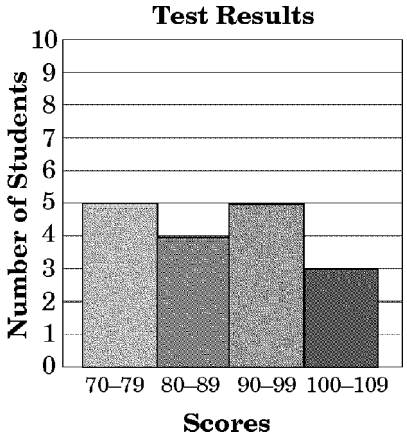
Color	Number
Blue	4
Green	4
Orange	15
Pink	11
Yellow	11

9. Which histogram best represents the scores in the frequency table?

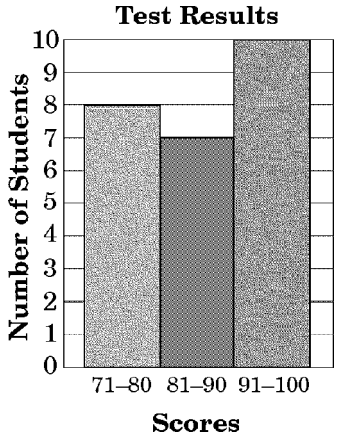
Test Results

Score	Tally
70	𝍸
75	|||
80	||||
85	|||
90	𝍸
95	||||
100	|||

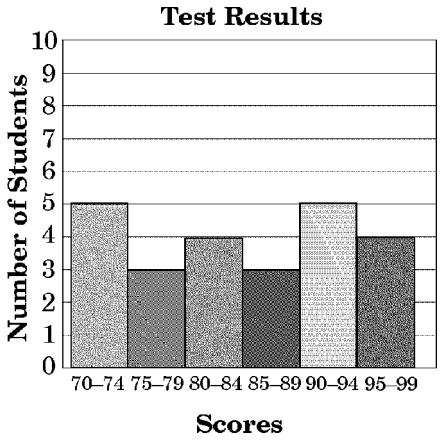
A.



B.



C.



D.