

## Frequency Tables and Histograms

- 2) 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?

A) 

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

C) 

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

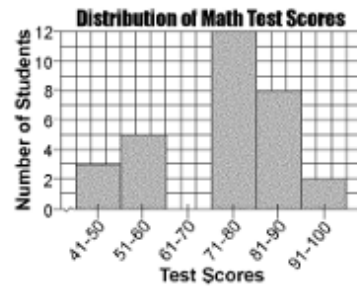
B) 

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

D) 

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

- 3) The graph below shows the distribution of scores of 30 students on a mathematics test.

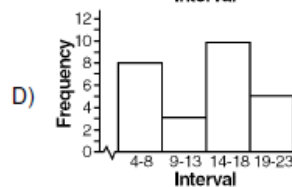
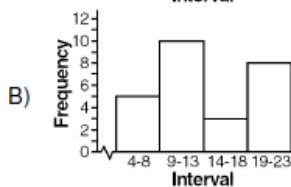
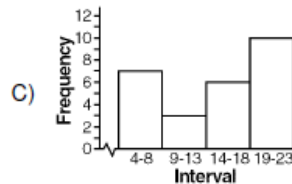
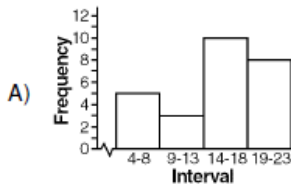


Complete the frequency table below using the data in the frequency histogram shown.

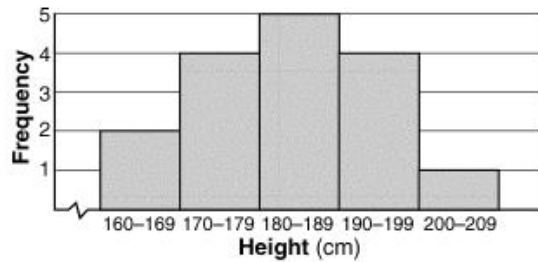
Test Scores	Frequency
91-100	
81-90	
71-80	
61-70	
51-60	
41-50	

- 5) Which one of the following histograms represents the data in the table below?

Interval	Frequency
4-8	8
9-13	3
14-18	10
19-23	5

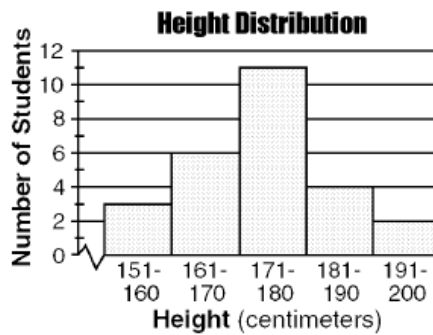


- 16) The accompanying histogram shows the heights of the students in Kyra's health class.



What is the total number of students in the class?

- A) 15                      B) 209                      C) 16                      D) 5
- 17) 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?

- A) 28                      B) 26                      C) 49                      D) 11
- 18) Using the cumulative frequency table below, how many students received a test score between a 70-79?

**Scores on a French Test**

Interval	Cumulative Frequency
50-99	30
50-89	24
50-79	12
50-69	12
50-59	2

- A) 0                      B) 80                      C) 12                      D) 26

Questions 19 through 21 refer to the following:

The test scores for 20 students in a Spanish class are shown in the frequency table below.

Interval	Frequency
90-99	4
80-89	3
70-79	8
60-69	4
50-59	1

19) According to the information shown, how many students received a score greater than a 69?

20) The median lies in which interval of the frequency table shown?

21) The upper quartile lies in which interval of the frequency table shown?

24) A television network wants to pilot a new series in a city with 25,000 residents. They decided to choose a random sample of 1,000 people to determine the best time to run the series. The survey asked participants to state what time of day they watched the most television. The table below shows the results.

Time of Day	Number of People
8 am-noon	162
noon-4 pm	187
4 pm-7 pm	322
7 pm-11 pm	258
11 pm-8 am	71

Based on these results, approximately how many people in the city watch television between 4 pm and 7 pm?

A) 8,050 people

B) 1,450 people

C) 14,500 people

D) 580 people