

Aim: How do we interpret data found in frequency tables and histograms?

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

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

(1)

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

(2)

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

(3)

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

(4)

1. Use the table below to answer the following questions:

Scores	Frequency
25	3
20	2
11	5
10	4

a. Create a list of the data in the table above.

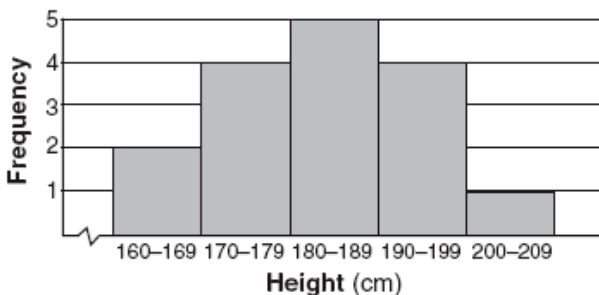
b. What is the mean?

c. What is the mode?

d. What is the median?

e. What is the range?

2. The accompanying histogram shows the heights of the students in Keyla’s health class. What is the total number of students in the class?



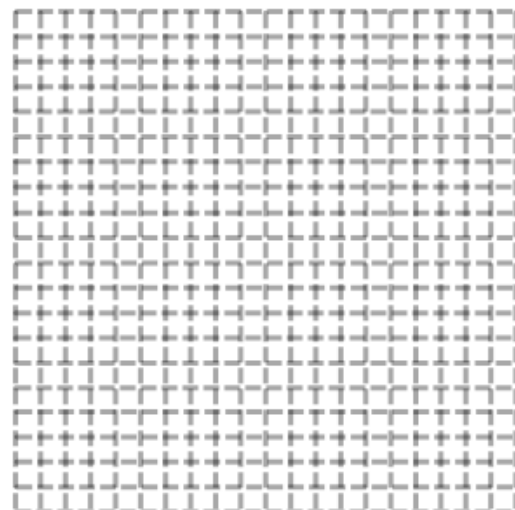
3. The following set of data represents the scores on a mathematics quiz:

58, 79, 81, 99, 68, 92, 76, 84, 53, 57,
81, 91, 77, 50, 65, 57, 51, 72, 84, 89

Complete the frequency table below and, on the accompanying grid, draw and label a frequency histogram of these scores.

Mathematics Quiz Scores

Interval	Tally	Frequency
50–59		
60–69		
70–79		
80–89		
90–99		

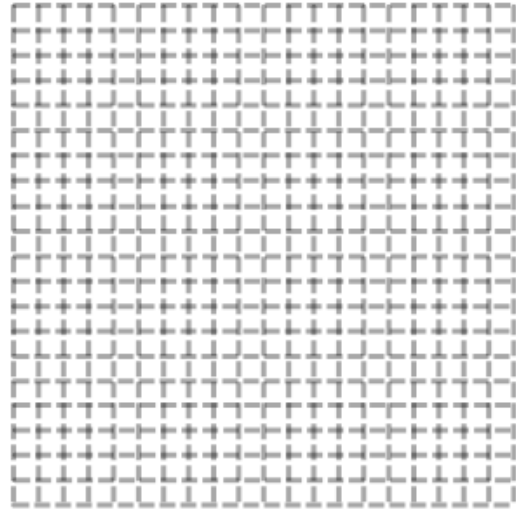


4. The following data consist of the weights, in pounds, of 30 adults:

195, 206, 100, 98, 150, 210, 195, 106,
 195, 168, 180, 212, 104, 195, 100, 216,
 195, 209, 112, 99, 206, 116, 195, 100,
 142, 100, 135, 98, 160, 155

Using the data, complete the accompanying frequency table and construct a frequency histogram on the grid to the right.

Interval	Tally	Frequency
51-100		
101-150		
151-200		
201-250		



5. Ms. Hopkins recorded her students' final exam scores in the frequency table below.

Interval	Tally	Frequency
61-70	###	5
71-80		4
81-90	###	9
91-100	###	6

On the grid to the right, construct a frequency histogram based on the table.

