

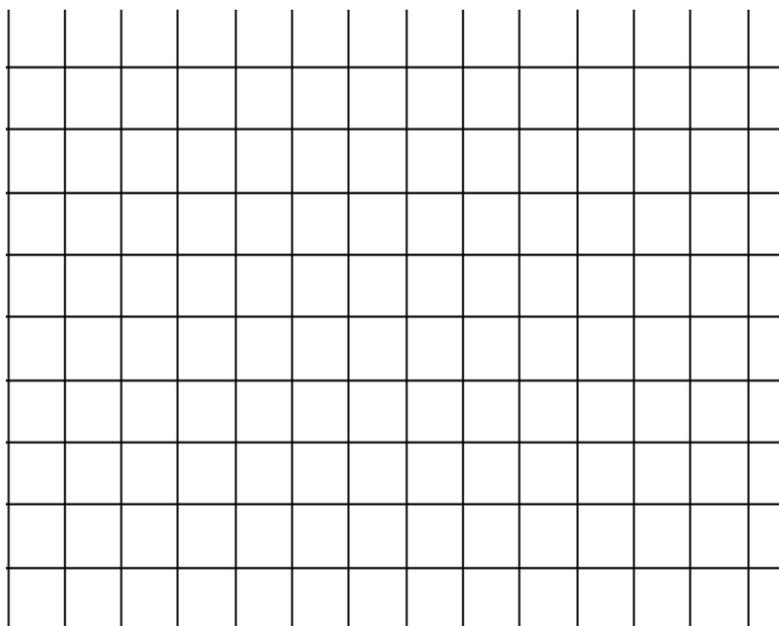
Histogram Homework

Name _____ Date _____

The table below shows the highest wind speed in 30 US cities. Make a histogram of the data.

4	6, 6, 6, 7, 9, 9, 9
5	1, 1, 1, 2, 3, 3, 4, 4, 5, 6, 6, 7, 8, 8
6	0, 0, 5
7	3, 3, 5, 6
8	0, 1
9	1

Interval	tally	frequency



Use the data from the above to answer the following questions.

1. What is the top wind speed of most of the cities?
2. How many cities recorded wind speeds of 80 miles per hour or more?
3. How many cities recorded their highest wind speeds at 60 miles per hour or more?

1. The following data shows prices of meal options at Bob's Burgers. Bob wants to construct a histogram from this graph.

Prices of Meal Options at Bob's Burgers

\$6	\$7	\$7	\$8	\$9
\$10	\$10	\$11	\$11	\$12
\$12	\$13	\$13	\$13	\$13
\$14	\$14	\$14	\$15	\$15
\$15	\$15	\$16	\$16	\$17

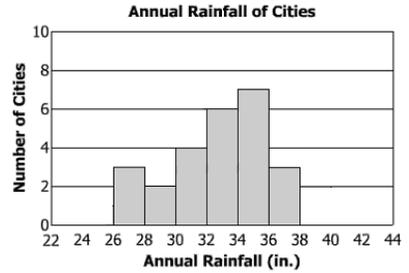
How many meals could belong in the interval \$10.99 - \$13.99?

- A) 6 B) 8 C) 10 D) 13

2. The annual amount of rainfall for 25 cities was recorded and is shown in the histogram below.

How many cities could have an annual rainfall of 28.5 in – 32.5 in?

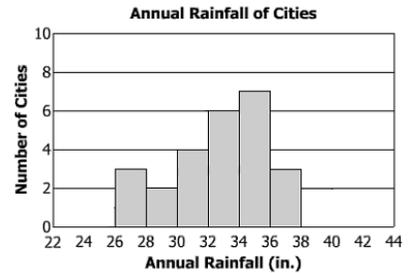
- A) 6 B) 9 C) 8 D) 12



3. The annual amount of rainfall for 25 cities was recorded and is shown in the histogram below.

How many intervals could represent an annual rainfall of 30 in – 36 in?

- A) 2 B) 4 C) 3 D) 5



4. The following data shows prices of meal options at Bob's Burgers.

Prices of Meal Options at Bob's Burgers

\$6	\$7	\$7	\$8	\$9
\$14	\$14	\$14	\$15	\$15
\$15	\$15	\$16	\$16	\$17

Which histogram correctly displays the information above?

A)

B)

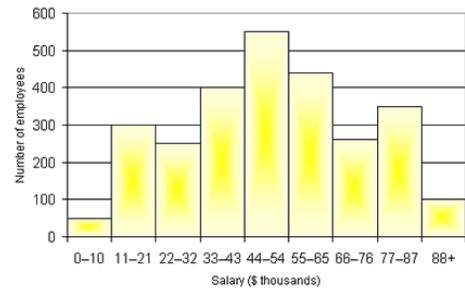
C)

D)

5. The histogram below represents the results of a survey conducted from a local university asking recent graduates the amount of their first year salary.

How many recent graduates make less than 44,000 dollars?

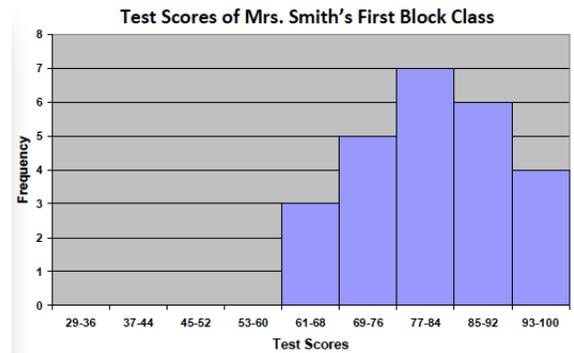
- A) 400 B) 2,700 C) 1,000 D) Cannot be determined using the information given



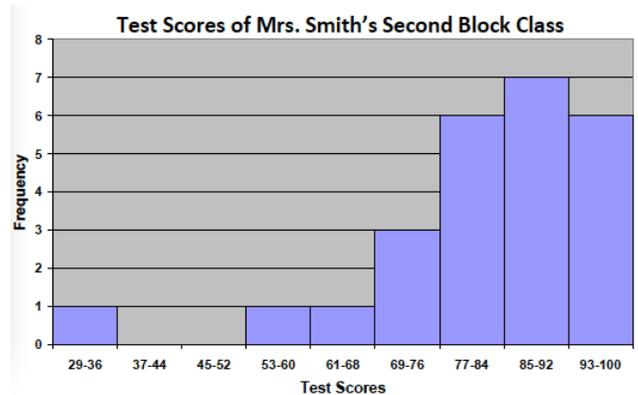
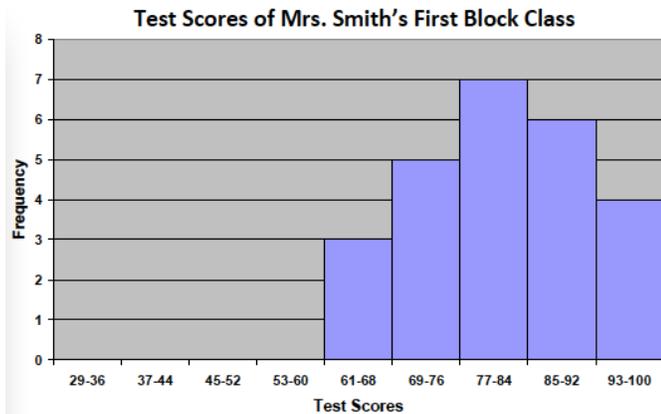
6. The histogram below shows the scores for Mrs. Smith's first block class at Red Rock Middle School.

If an 85 is the lowest score a student can earn to receive a B, how many students received at least a B?

- A) 4 B) 10 C) 6 D) 15



7. The histograms below show the scores for Mrs. Smith's first and second block class at Red Rock Middle School.



Compare the histograms using the following information:

- 69 and above is passing
- 68 or below is failing

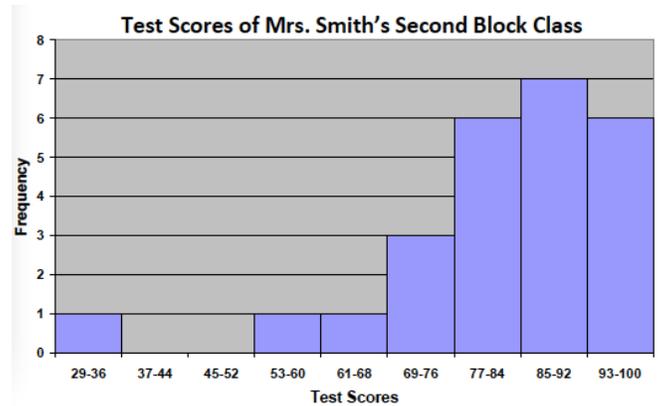
Which of the following statements is true?

- A) The number of students that passed the test is the same in both classes.
 B) More students passed in first block than second block.
 C) More students passes in the second block than first block.
 D) Cannot be determined based on the graphs given.

8. The histogram below shows the scores for Mrs. Smith's second block class at Red Rock Middle School.

How many students scored a 77 on the test?

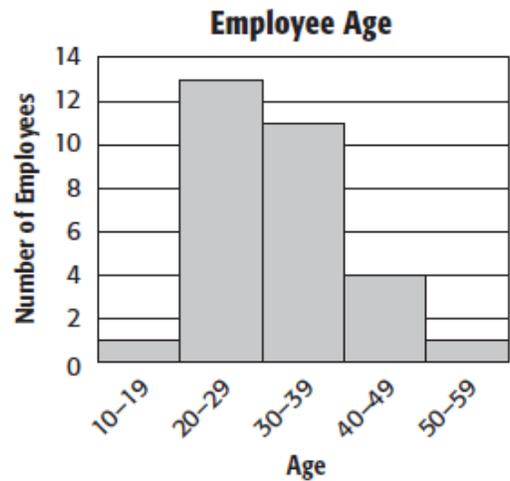
- A) 0
- B) 1
- C) 6
- D) Cannot be determined



9. Cosmic, Inc. is a software company with 30 employees. The ages of the employees are displayed in the histogram.

How old is the youngest employee?

- A) 10 (youngest age of interval)
- B) 15 (middle age of interval)
- C) 19 (older age of youngest interval)
- D) Cannot be determined (correct answer)



10. Cosmic, Inc. is a software company with 30 employees. The ages of the employees are displayed in the histogram.

Which interval has the least number of employees?

- A) 10-19
- B) 50-59
- C) Both A and B
- D) Cannot be determined

