

Q#1

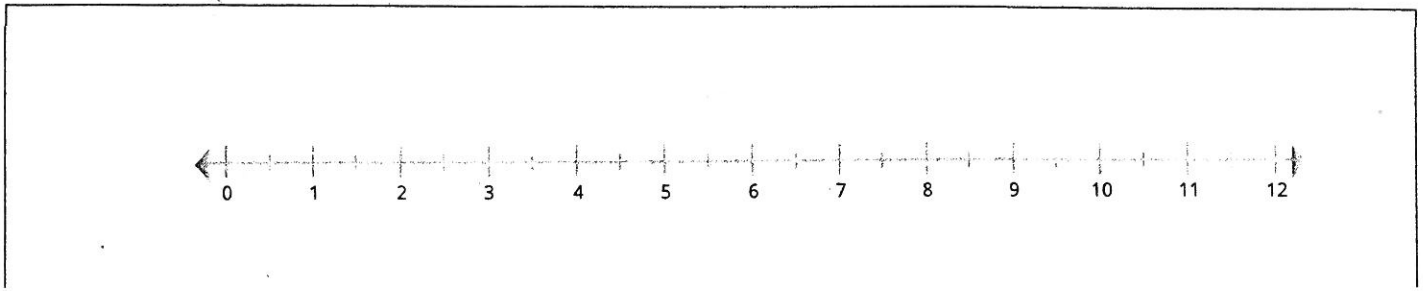
7, 5, 9, 10, 1, 2, 2, 8

Range =

Q#2 In June 2010, opponents of the NY Yankees scored the following number of runs.

4, 4, 9, 0, 2, 4, 1, 2, 11, 8, 2, 2, 5, 3, 2, 4, 0

Make a dot plot of the above data.



Q#3

Table 3. Life of AA batteries, in minutes

Battery life, minutes (x) Tally Frequency (f)

360-369 || 2

370-379 ||| 3

380-389 |||| 5

390-399 ||||| 7

400-409 |||| 5

410-419 |||| 4

420-429 ||| 3

430-439 | 1

Total

How many batteries were tested in this table?

(A) 15

(B) 25

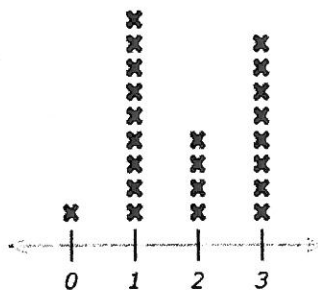
(C) 30

(D) 35

Q#4

Mr. Petersen counted the number of coins collected by the students in his coin club and prepared the following line plot.

Collecting coins

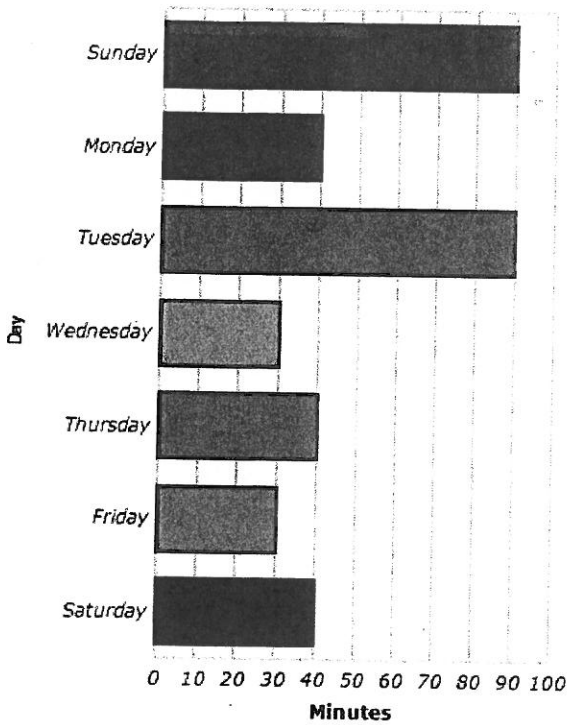


Number of students who collected more than one coin is

No. of coins collected

Q#5 Kim jotted down how many minutes she spent practicing gymnastics in the past 7 days.

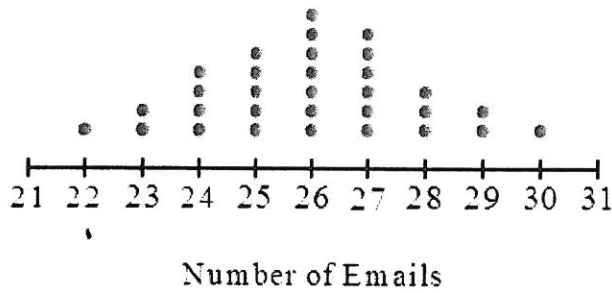
Minutes spent practicing



What is the mode of the numbers? Choose the correct option.

- A 40 minutes
- B 30 minutes
- C 90 minutes
- D None of the above

Q#6 The line plot shows the number of emails received by a group of students in a week. Each ● represents 1 student.



How many students received more than 27 emails?

Answer:

- a. 3 students
 6 students
 12 students

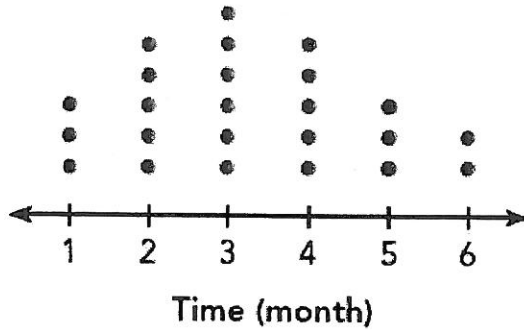
Q#7 : Find the range of the following data set:

5.9, 6.7, 6.8, 6.5, 6.7, 8.2, 6.1, 6.3

Range =

Q# 6

The dot plot shows the time taken, in months, for some homes to be renovated. Each dot represents one home.



i) Find the mode of the above data.

Answer:

ii) Find the mean of the above data.

- A 1 months
- B 2 months
- C 3.25 months
- D 2.25 months

Part B

i) Use the data from Part A and find the median.

Answer: months

ii) The shape of the given data is

- a.
- Left skewed
 - Right skewed
 - Normal skewed

Q# 7 Jimmy was curious about how many pets his classmates owned. Here is the data he collected.
2, 3, 7, 1, 4, 9, 7, 4, 1.

Please select the statement that is true.

- A The median is greater than the mean.
- B The mean is greater than the median.
- C The mean, median, and mode are all 4.
- D The mean and median are equal.

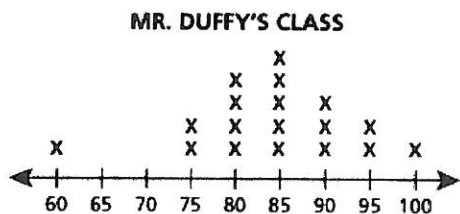
Q#10 The following table shows the yearly salaries of high school cheer-leading coaches in Dakota County.

Coach	Yearly salary (thousands of dollars)
Mrs. Bay	4.1
Miss. Clarke	3.8
Miss. Jackson	3.6
Mr. Sites	4.3
Mr. Marly	5.7

Find the mean yearly salary.

thousand dollars.

Q#11 The test scores of the students in Mr. Duffy's class are shown on the line plot below.



Most of the students in Mr. Duffy's class scored an 85 or higher. Why is the mean of the scores less than 85?

- A** Because 100 is an outlier, and because there was only one of these scores it decreased the average.
- B** Because 60 is an outlier and it decreased the average.
- C** Because there were more scores of 80 than scores of 90.
- D** The mean of the scores is higher than 85.

Q#12 Jeans are a durable type of pants, but they eventually wear out.

Choose the statistical questions from the questions below.

- A** How long did your last pair of jeans last before wearing out?
- B** How long does a pair of jeans last before wearing out?
- C** How long does a pair of Levi's brand jeans last before wearing out?