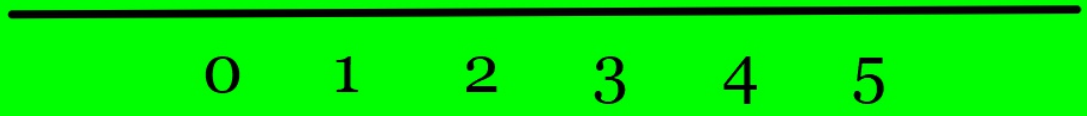
Kirsten plays softball in the spring. Each game, she records the number of times she reaches first base without being called out. Use the data in the table to solve problems 1–5.

Game	Number of times at first	Game	Number of times at first
1	5	10	0
2	1	11	1
3	2	12	1
4	0	13	0
5	2	14	5
6	2	15	5
7	4	16	4
8	4	17	0
9	0	18	4

1.) Create a dotplot showing the number of times Kirsten reached first base.



2.) What is the median number of times Kirsten reached first base?

3.) Find the minimum, first quartile, third quartile, and maximum of the data set.

4.) Create a boxplot showing the number of time Kirsten reached first base.

5.) Kirsten wants to analyze her performance using this data. She wants to understand the range of her data and the frequency of different results. Which graph, the dot plot or the box plot, will be most useful

Dr. Singh is a veterinarian. He records the weights of eac pet. The weights of 10 German shepherds, all 4-year-old males, are in the following table, rounded to the nearest pound. Use this information to solve problems 6–10.

Weight in pounds
80
78
82
84
81
89
83
81
81
82

6.) Create a histogram.

Weight in Pounds Frequency

78 - 80

80 - 82

82 - 84

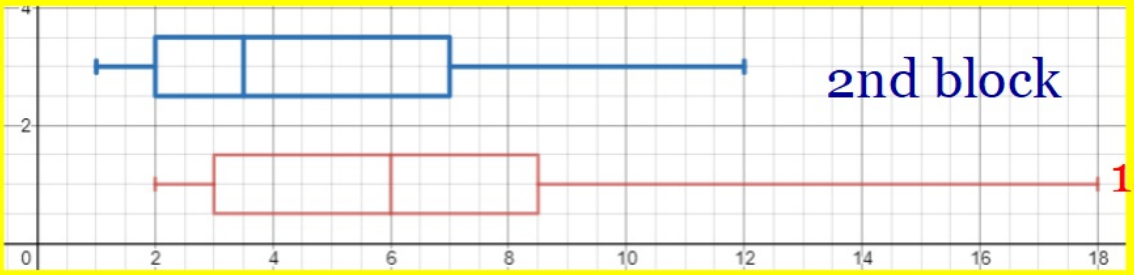
84 - 86

86 - 88

88 - 90

The row 78 - 80 includes weights that are greater than 78 but less than or equal to 80.

The boxplots below show the distribution of Instagram notifications in Ms. Edwards' Math I classes.
Use the boxplots to answer the questions.



Each grid line represents 0.5.

1.)Determine the minimum, maximum, first, and third quartiles for each data set.

1st block
min: 2 med: 6
Q1: 3 Q3: 8.5
max: 18

2nd block
min: 1 med = 3.5
Q1: 2 Q3: 7
max: 12

2.) Which data set had the greatest median?

1st block

3.)Which data set had the smallest range?

2nd block

The data shows the amount of text messages for two different blocks.

1st Block	2nd Block
3, 3, 2, 5, 4, 2, 2, 2, 10, 3	1, 4, 1, 4, 4, 4, 3, 3, 5

Which statement is true? Select all that apply.

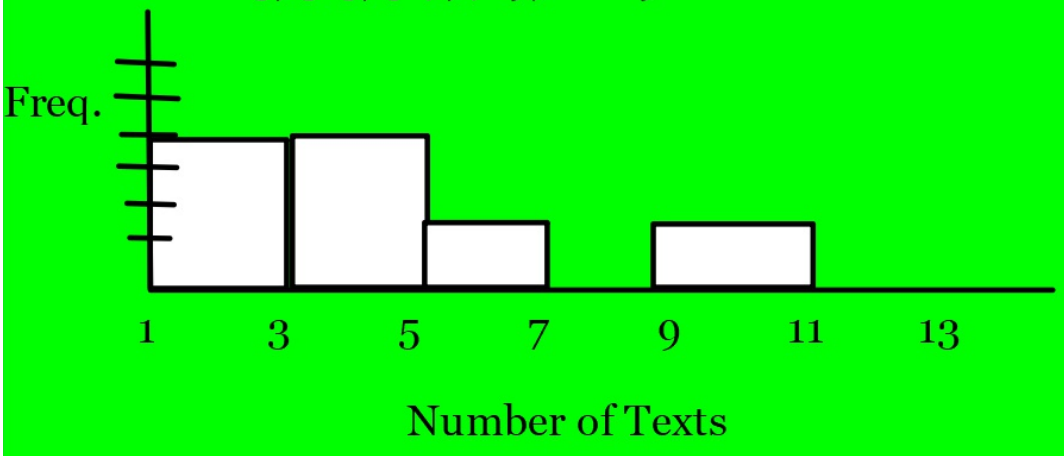
A. 1st block had a smaller mean than second block.

B. 1st block had a larger mean than second block.

C. 1st and 2nd blocks had the same mean.

D. 1st block had a smaller median than second block.

Create a histogram to model each block's data set. Use the intervals 1-3, 3-5, 5-7, 7-9, and 9 -11.

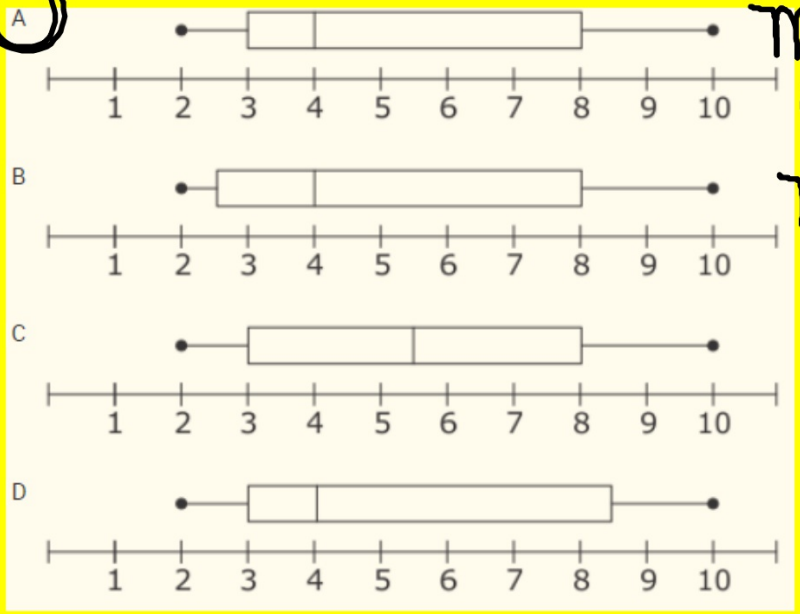


The data set below shows the number of rooms that were not occupied at a hotel each day during a week.

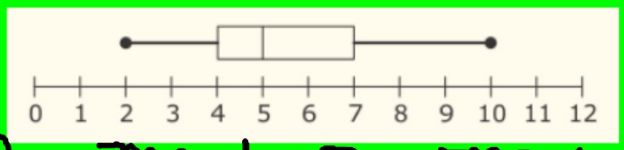
10, 8, 4, 4, 2, 3, 7

Which boxplot represents the data?

min = 2
Q1 = 3
med = 4
Q3 = 8
max = 10



4.) Which set of data is displayed by the boxplot below?



min = 2 Q1 = 4 med = 5 Q3 = 7 max = 10

A	2, 3, 4, 5, 5, 6, 7, 7, 8, 10	5.5
B	2, 2, 3, 4, 4, 4, 5, 6, 8, 10	4
C	2, 3, 4, 5, 5, 6, 6, 6, 9, 10	5.5
D	2, 2, 4, 4, 5, 5, 7, 7, 8, 10	5

5.) In a gym class, each student counted how many sit-ups he could do in one minute. The frequency data are shown in the table below. The class has 41 students.

Number of Sit Ups	0-9	10-19	20-29	30-39	40 - 49
Number of Students	7	5	13	12	4

Which histogram models the data set?