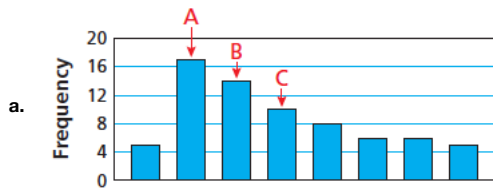


HW Test Review Data Displays

1. **MAKE A CONNECTION** Describe the shape of the distribution of each bar graph. Match the letters A, B, and C with the mean, the median, and the mode of each data set.



The distribution is

A is the

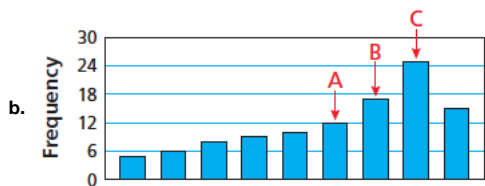
B is the

C is the

Explain your reasoning.

B / U ☰ T² T₂

0 / 10000 Word Limit



The distribution is

A is the

B is the

C is the

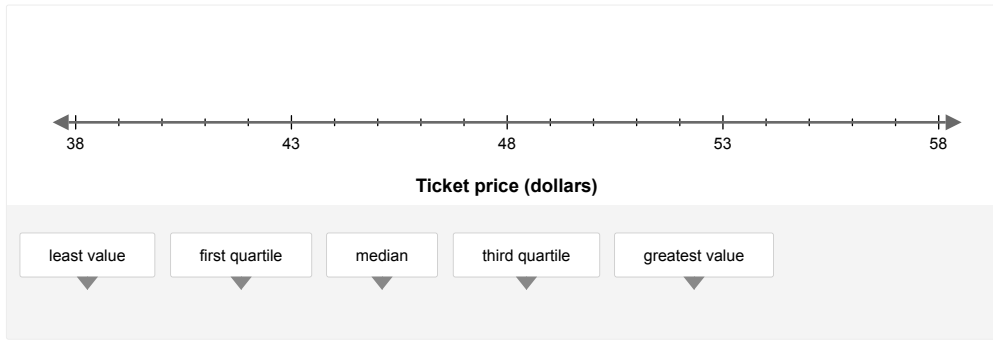
Explain your reasoning.

B / U ☰ T² T₂

0 / 10000 Word Limit

2. Use the number line to identify the least value, first quartile, median, third quartile, and greatest value of the data.

Ticket prices (dollars): 39, 42, 40, 47, 38, 39, 44, 55, 44, 58, 45



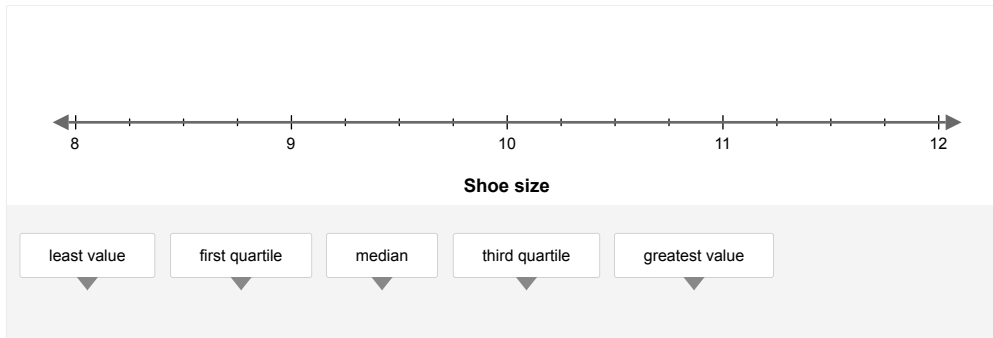
Identify the shape of the distribution.

- skewed right
- skewed left
- symmetric

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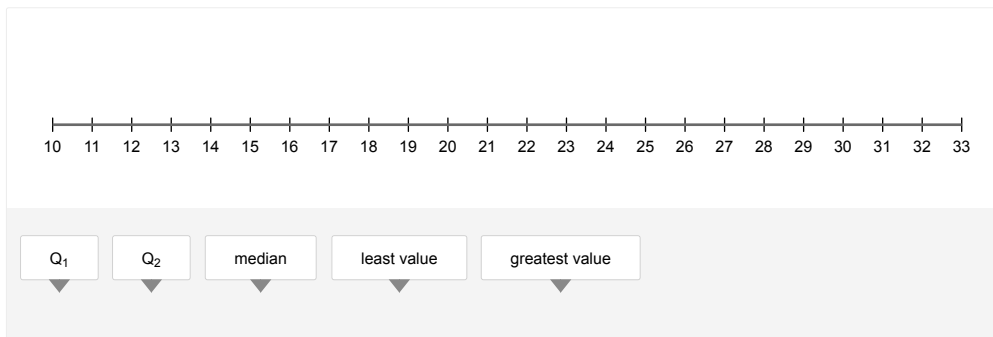
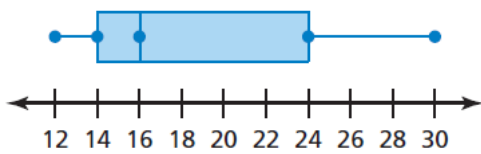
3. Use the number line to identify the least value, first quartile, median, third quartile, and greatest value of the data.

Shoe sizes: 12, 8.5, 9, 10, 9, 11, 11.5, 9, 9, 10, 10, 10.5, 8



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4. Identify the five-number summary for each box-and-whisker plot.



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5. Identify the shape of the distribution.



The distribution is

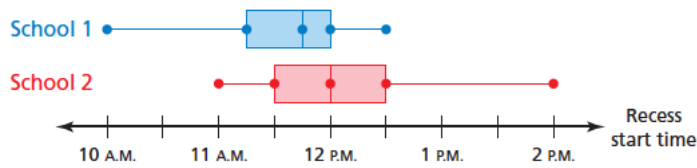
Explain.

B / U ☰ T² T₂

0 / 10000 Word Limit

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6. **MODELING REAL LIFE** The double box-and-whisker plot represents the start times of recess for classes at two schools.



a. Identify the shape of each distribution.

School 1 is and School 2 is .

b. Which school's start times for recess are more spread out?

- School 1 School 2

Explain.

B / U ☰ T² T₂

0 / 10000 Word Limit

c. You randomly pick one class from each school. Which class is more likely to have recess before lunch?

- class from School 1 class from School 2

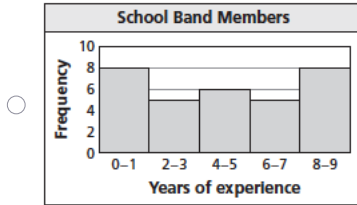
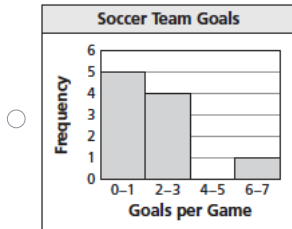
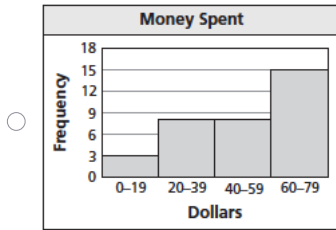
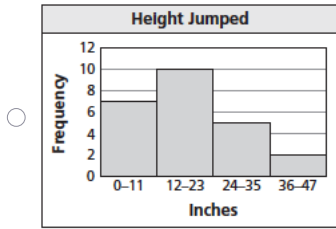
Explain.

B / U ☰ T² T₂

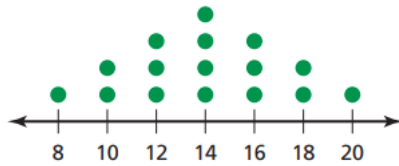
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7. **STRUCTURE** Draw a histogram that could represent the distribution shown below.



8. Choose appropriate measures to describe the center and the variation.



The appropriate measure to describe the center is or .

The appropriate measure to describe the variation is or .

Explain your reasoning.

B / U T^2 T_2

0 / 10000 Word Limit

Find the measures you chose.

The value of the measure of center is .

The value of the measure of variation is .

9. Find the mean, median, range, and IQR of the data set.

{9, 3, 7, 7, 9, 2, 8, 9, 6, 7, 8, 9}

mean:

median:

range:

IQR:


Which measure of center best describes the data set?

- Mean
- Median
- Mode
- Range
- IQR

Which measure of variation best describes the data set?

- Mean
- Median
- Mode
- Range
- IQR

Explain your reasoning.

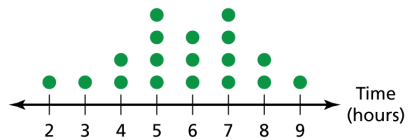
B / U  **T²** **T₂**

0 / 10000 Word Limit

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10. Choose the most appropriate measures to describe the center and the variation.

Time Volunteering

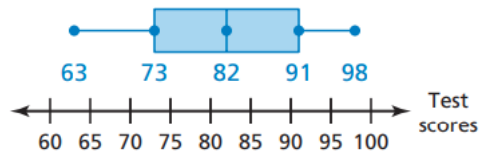


The is the most appropriate measure to describe the center.

The is the most appropriate measure to describe the variation.

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11. Choose the most appropriate measures to describe the center and the variation.

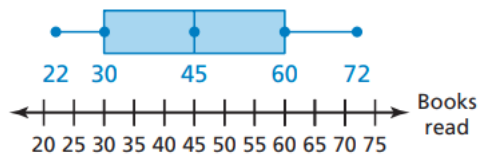


The is the most appropriate measure to describe the center.

The is the most appropriate measure to describe the variation.

Grade 6 Accel: FL 2023>Chapter 11>Section 11.8: Choosing Appropriate Measures>11.8: Practice (7 - 20)> Question #11

12. **MODELING REAL LIFE** The box-and-whisker plot represents the number of books each class in a school reads during the year.



What are the most appropriate measures to describe the center and the variation?

The is the most appropriate measure to describe the center.

The is the most appropriate measure to describe the variation.

Explain your reasoning.

B / U T^2 T_2

0 / 10000 Word Limit

Grade 6 Accel: FL 2023>Chapter 11>Section 11.8: Choosing Appropriate Measures>11.8: Practice (7 - 20)> Question #14