



Name _____ Class _____ Date _____

1 The range of set 1 is **22**.
The range of set 2 is **15**.
What does this tell about the data?

- A Set 1 is more clustered.
- B Set 2 is more spread out.
- C Set 1's mean is 22.
- D Set 2 is more clustered.

3 What is the **interquartile range** of the data shown in the bar graph?

- A 1
- B 2
- C 3
- D 4



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PREVIEW

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- A true
- B false

2 The **interquartile range** is the **middle 50%** of the data.
What is the interquartile range for the following fifteen quiz scores?

26, 29, 13, 42, 49, 27, 18,
45, 38, 24, 49, 21, 27, 17, 33

- A 13
- B 21
- C 27
- D 42

4 The **variance** tells **how close** data is to the mean.

True or false?

- A true
- B false

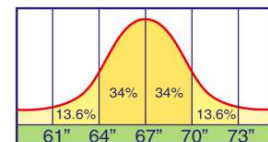
- B 3.9
- C 15.68
- D 61.5

9 The mean of a set of data of bowling scores for 50 people is **137**. The standard deviation is **10**. What are the scores that fall between **one standard deviation of the mean**?

- A 137 - 147
- B 127 - 137
- C 132 - 142
- D 127 - 147

10 The bell curve shows a normal distribution for height of adults. The mean of the data is **67 inches** and the standard deviation is **3 inches**. What is the **range of height for 68%** of the adults sampled?

- A 5'1" - 5'4"
- B 5'4" - 5'7"
- C 5'4" - 5'10"
- D 5'7" - 6'1"





ANSWER KEY

The range of set 1 is **22**.
The range of set 2 is **15**.

What does this tell about the data?

- A Set 1 is more clustered.
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- D Set 2 is more clustered.

(d)

The **interquartile range** is the **middle 50%** of the data.
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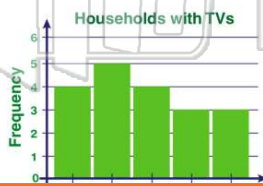
26, 29, 13, 42, 49, 27, 18, 45, 38, 24, 49, 21, 27, 17, 33

(b)

- A 13
- B 21
- C 27
- D 42

What is the **interquartile range** of the data shown in the bar graph?

- A 1
- B 2
- C 3
- D 4



(b)

The **variance** tells **how close** data is to the mean.

True or false?

- A true
- B false

(a)



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- A true
- B false

- C 15.68
- D 61.5

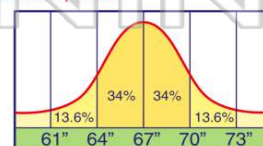
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(d)

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(c)