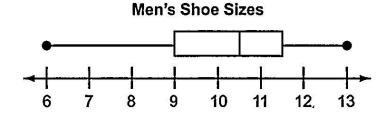
PSSA and Keystone Exams Summer 2023 Workshops

PSSA, Grade 6 Math

Men's Shoe Sizes

Handscoring
Training Set 1

25. Carlos surveyed 40 men about their shoe sizes. Carlos made the box-and-whisker plot below to display his results.



A. What was the median shoe size of the 40 men Carlos surveyed? Explain how you found your answer.

The median is 9.5. The way I tound the Answer is the middle of the shoe size for the 40 men had 2 numbers 50 what: I did is was I add the numbers and divide by 2 and it gove me the medain.

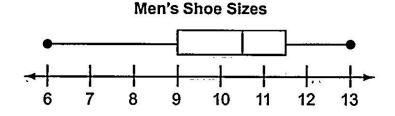
25. Continued. Please refer to the previous page for task explanation.

Martin thinks more men have shoe sizes between 6 and 9 than between $11\frac{1}{2}$ and 13 because the whisker from 6 to 9 is longer than the whisker from $11\frac{1}{2}$ to 13.

B. Explain why Martin is not correct. As part of your explanation, find the number of men with shoe sizes in each interval and describe how you found those numbers.

The leason that maltin answer wasnt collect because there is less men have sizes between 6 and 9 than III and I3 because the Whister 6 to 9 is shorter than the Whisker Hum II to I3 The way I describe the number is there is more higher shoe sizes for men.

25. Carlos surveyed 40 men about their shoe sizes. Carlos made the box-and-whisker plot below to display his results.



A. What was the median shoe size of the 40 men Carlos surveyed? Explain how you found your answer.

The median shoe size of the 40 men Carlos surveyed is. 10.5, or 10½. I found my answer because I know the median in a box-and-whisher is represented, by the middle line in the box. The number 10.5 is directly under the middle line in the box, so I know that 10.5 or 10½ is the median shoe size of the 40 men Carlos surveyed.

25. Continued. Please refer to the previous page for task explanation.

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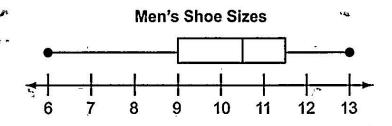
B. Explain why Martin is not correct. As part of your explanation, find the number of men with shoe sizes in each interval and describe how you found those numbers.

Martin is not correct. There are four sections in a box-and-whister, and each section represents to a box-and-whister, and each section, a to 10 to 15 to 10 t

I found to of 40 because there is a total of 40 men who were summered, and to of them in each section. My answer for the amount of men with shoe sizes in each interval is 10 men.

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25. Carlos surveyed 40 men about their shoe sizes. Carlos made the box-and-whisker plot below to display his results.



A. What was the median shoe size of the 40 men Carlos surveyed? Explain how you found your answer.

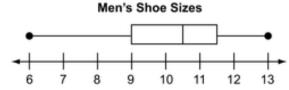
The median shoe size is 10.5 out of the 40 men carlos surveyed. I know this because between the lower quartile is 25.0% and the lower quartile is 25.0% lower extreme and the Median is 50% of the chart. So between the 50% of the chart. So the middle line and it is pointing down to 10.5.

25. Continued. Please refer to the previous page for task explanation.

Martin thinks more men have shoe sizes between 6 and 9 than between $11\frac{1}{2}$ and 13 because the whisker from 6 to 9 is longer than the whisker from $11\frac{1}{2}$ to 13.

B. Explain why Martin is **not** correct. As part of your explanation, find the number of men with shoe sizes in each interval and describe how you found those numbers.

Martin is not correct. Dolly 25% of the 40 men have shoe sizes from 6 to 9. And 2500 of the 40 men have shoe sizes from 17% to 13. So for each interval they have the same number of men. There are 10 men who have shoe sizes from 6 to 9. Sizes from 12% to 13. To find this for ed 40 times 0.25 because each interval was 2500 of the 40 men.



A. What was the median shoe size of the 40 men Carlos surveyed? Explain how you found your answer.

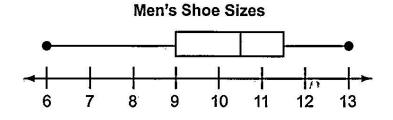
10 1/2

Martin thinks more men have shoe sizes between 6 and 9 than between $11\frac{1}{2}$ and 13 because the whisker from 6 to 9 is longer than the whisker from $11\frac{1}{2}$ to 13.

B. Explain why Martin is not correct. As part of your explanation, find the number of men with shoe sizes in each interval and describe how you found those numbers.

because the whisker is between 11 1/2

37 / 1000



A. What was the median shoe size of the 40 men Carlos surveyed? Explain how you found your answer.

whisher parthe line in the middle of the rectorale shows the median.

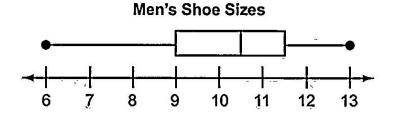
25. Continued. Please refer to the previous page for task explanation.

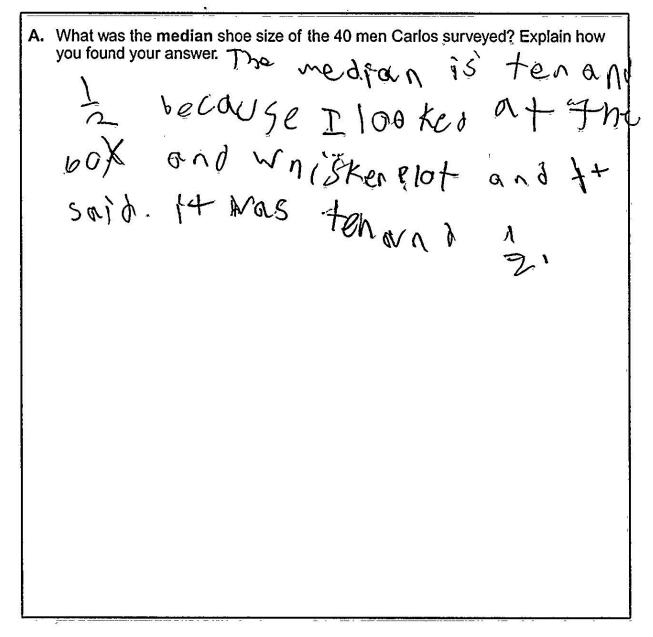
Martin thinks more men have shoe sizes between 6 and 9 than between $11\frac{1}{2}$ and 13 because the whisker from 6 to 9 is longer than the whisker from $11\frac{1}{2}$ to 13.

B. Explain why Martin is not correct. As part of your explanation, find the number of men with shoe sizes in each interval and describe how you found those numbers.

Martin is incorrect because, more men would have stoe sizes between 9 and 112. Iknow the because that's where the box/rectangk goes to.

25. Carlos surveyed 40 men about their shoe sizes. Carlos made the box-and-whisker plot below to display his results.





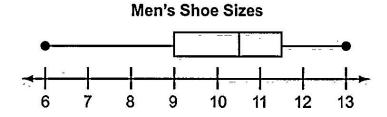
25. Continued. Please refer to the previous page for task explanation.

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be Lause His 15 not correct

lot.



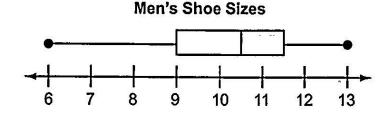
A. What was the median shoe size of the 40 men Carlos surveyed? Explain how you found your answer. The median shoe size of the 40 men is 10.5. I know this because the center line of the box is at 10点

25. Continued. Please refer to the previous page for task explanation.

Martin thinks more men have shoe sizes between 6 and 9 than between $11\frac{1}{2}$ and 13 because the whisker from 6 to 9 is longer than the whisker from $11\frac{1}{2}$ to 13.

B. Explain why Martin is **not** correct. As part of your explanation, find the number of men with shoe sizes in each interval and describe how you found those numbers.

Martin is not correct because the length of the line has nothing to do with the number of men that wear a specific shoe size. There are 10 men with shoe sizes because the box-and-whiskerplot is clivided into 4 equal sections. 40 = 4 is 10, so there are 10 men in each sector.



A. What was the median shoe size of the 40 men Carlos surveyed? Explain how you found your answer.

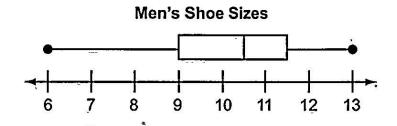
The median of 40 men's shoe sizes was 10 %, I found the median by looking at the tox-and-whisker plt. Then I looked for the line in the middle of the rectangular box. Once I found it I looked straight down to see what number it was hovering over. The number was 10% and I knew it was the median.

25. Continued. Please refer to the previous page for task explanation.

Martin thinks more men have shoe sizes between 6 and 9 than between $11\frac{1}{2}$ and 13 because the whisker from 6 to 9 is longer than the whisker from $11\frac{1}{2}$ to 13.

B. Explain why Martin is not correct. As part of your explanation, find the number of men with shoe sizes in each interval and describe how you found those numbers.

> Martin is incorrect because if there were more men that wore shoe, Sizes 6 through 9, the box would be closer to the shot sizes 6-9 because there are more shoe sizes in that area. The majority of the shoe sizes are in intervals 2 and 3. The first interval
> are the shoe sizes 6-9. The second interval has the the shoe gizes 9-105. The third interval has the shoe sizes 102-115. The fourth and final internal has the shoe sizes 115-13. The number of men for each interval is impossible to find because it shows their shoe sizes and not how many men for each. Shoe sizes



A. What was the median shoe size of the 40 men Carlos surveyed? Explain how you found your answer.

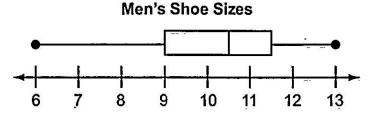
The median shore size of the 40 men surveyed by Carlos was 10½ because each part was 25% so from 6 tod is 25% and 25% and at 50% of the data. is the middle of the data.

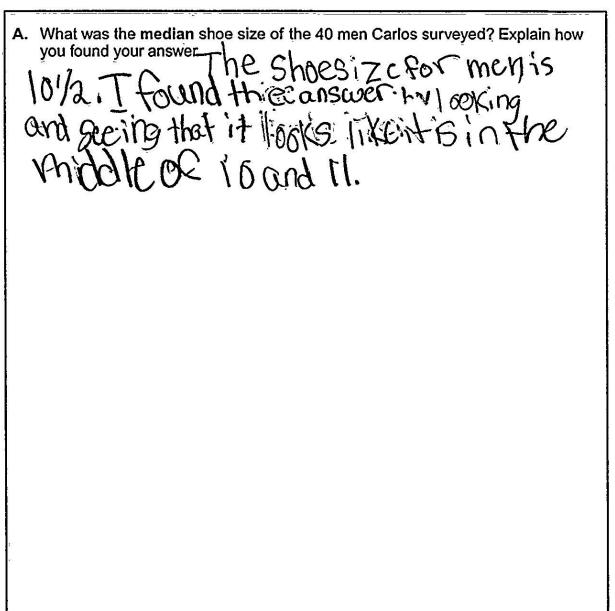
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Martin thinks more men have shoe sizes between 6 and 9 than between $11\frac{1}{2}$ and 13 because the whisker from 6 to 9 is longer than the whisker from $11\frac{1}{2}$ to 13.

B. Explain why Martin is not correct. As part of your explanation, find the number of men with shoe sizes in each interval and describe how you found those / Martin is not correct because it doesn't numbers. matter how much bigger of smaller it is because all parts are worth 2500. There are ten men with shoe sizes in each interval because because all if he surveys 40 men and there aret parts of the plot all you do is 40+4=10 men

in each interval.





25. Continued. Please refer to the previous page for task explanation.

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PSSA Math: Men's Shoe Sizes (Grade 6); Training Set 1

Subject:	Math	Item: Men's Shoe Sizes		Grade: 6
Name				
Number	Score		Notes	
T1-1				
T1-2				
T1-3				
T1-4				
T1-5				
T1-6				
T1-7				
T1-8				
T1-9				
T1-10				