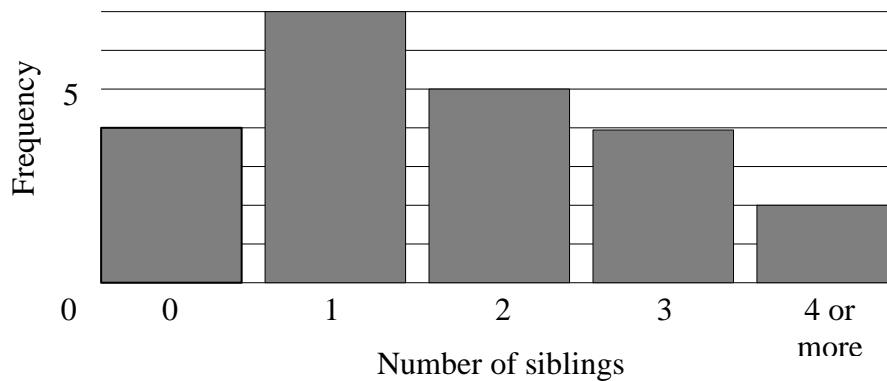


1. When possible find the mean, median, and mode for the following sets of data. If not possible, write “NP.”

- a. 80, 74, 74, 72, 71, 90 Mean: \_\_\_\_\_ Median: \_\_\_\_\_ Mode: \_\_\_\_\_
- b. pizza, pizza, taco, taco, hamburger, burrito, taco Mean: \_\_\_\_\_ Median: \_\_\_\_\_ Mode: \_\_\_\_\_
- c. 100, 87, 81, 23, 19 Mean: \_\_\_\_\_ Median: \_\_\_\_\_ Mode: \_\_\_\_\_

2. Manuel’s class created a histogram for the data collected from the question “How many brothers and sisters do you have?”



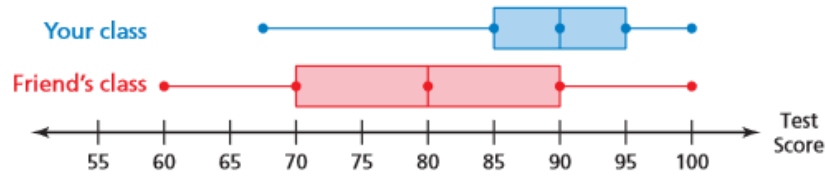
- a. How many students said they had 3 siblings? \_\_\_\_\_
- b. How many more students said they had 1 sibling than said they had none? \_\_\_\_\_
- c. How many students are represented in the histogram? \_\_\_\_\_
- d. What is the mean, median, and mode number of the siblings represented? Are any of those measures a central tendency impossible to find? Why?

Mean \_\_\_\_\_ Median \_\_\_\_\_ Mode \_\_\_\_\_

3. Brian surveyed all the boys in his 7<sup>th</sup> grade boys’ Soccer team.

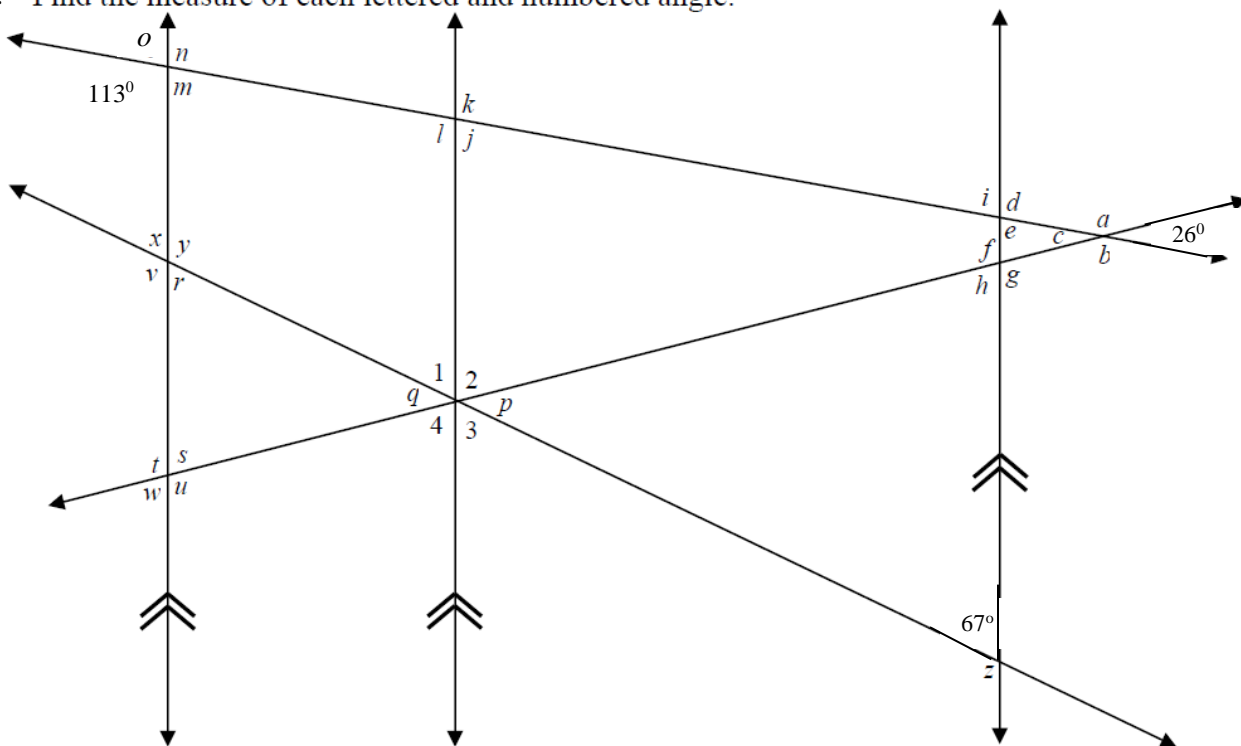
- a. Would it be fair to say that his sample is a good representation of all seventh graders? Why or why not?
- b. Would it be fair to say that his sample is a good representation of all boys in the school? Why or why not?
- c. Would it be fair to say that his sample is a good representation of all seventh grade boys? Why or why not?
- d. Would it be fair to say that his sample is a good representation of all the students in the school? Why or why not?

4. When reading the box-and-whisker plot below, write true or false for each statement.



- Half of the test scores on your class are between 85 and 100. \_\_\_\_\_
- 25% of the score in your friend's class are 80% and above. \_\_\_\_\_
- The median in your class is higher than the median in your friend's class. \_\_\_\_\_
- The test scores in your friend's class are more spread out than the test scores in your class. \_\_\_\_\_

5. Find the measure of each lettered and numbered angle.



- $a =$  \_\_\_     $b =$  \_\_\_     $c =$  \_\_\_     $d =$  \_\_\_     $e =$  \_\_\_     $f =$  \_\_\_     $g =$  \_\_\_  
 $h =$  \_\_\_     $i =$  \_\_\_     $j =$  \_\_\_     $k =$  \_\_\_     $l =$  \_\_\_     $m =$  \_\_\_     $n =$  \_\_\_  
 $o =$  \_\_\_     $p =$  \_\_\_     $q =$  \_\_\_     $r =$  \_\_\_     $s =$  \_\_\_     $t =$  \_\_\_     $u =$  \_\_\_  
 $v =$  \_\_\_     $w =$  \_\_\_     $x =$  \_\_\_     $y =$  \_\_\_     $z =$  \_\_\_  
 $m\angle 1 =$  \_\_\_     $m\angle 2 =$  \_\_\_     $m\angle 3 =$  \_\_\_     $m\angle 4 =$  \_\_\_