1. The number of feet that each of 5 athletes threw the shot put is plotted on the line below.



Which graph best represents this data?

A

B

C

D

1. The table below shows the number of students in each grade at Madison JH who are enrolled in various musical groups.

Which graph best represents this data?

1. This Venn diagram is used to classify counting numbers.



Which of the following numbers belongs in the region of the Venn diagram marked by the question mark?

A 65 B 60 C 50 D 45

1. The table shows how Jamal spent his allowance last month.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Charity** | **Savings** | **Music** | **Clothes** | **Movies** |
| 10% | 25% | 20% | 25% | the rest |

Which graph best represents this data?

D

A

B

C

1. Look at the data in the table.

Which graph best represents this data?

A

B

C

D

1. The line plot show the test grades for one 7th grade math class.



Which statement is valid based on the data?

A More than 25% of the students failed.

B Most students do not study for tests.

C 15% of the students made an “A”.

D 37.5% of the students made a “C”.

1. The table below shows the nutritional content of one serving of Coach Soza’s favorite cereal.



Which graph best represents this data?

A

C

D

B



1. Dee and Ella kept track of the miles they hiked over 4 days, as shown in the table below.



Which statement is valid?

A Dee increased her distance each day.

B Dee’s average daily walking distance is

 greater than Ella’s average daily

 walking distance.

C The girls hiked the same distance

 overall.

D Ella’s average daily walking distance is

 greater than Dee’s average daily

 walking distance.

1. Tiffany has the following quiz grades in math: 73, 79, 83, 85. If she makes a 55 on the next quiz, which measure of data will be affected the most?

Prove it by finding all 4 measures with and without the 55 in the data set.

A Mean B Median C Mode D Range

1. The table below show the number of cans collected by the 7th grade teachers an Sunnyside MS for a food drive.

Ms. Morgan’s class collected the most cans. If the range of the data is 137, which number could be the number of cans for Ms. Morgan’s class?

A 164 B 110 C 182 D 137

1. Look at the data from Chris’ science experiment shown in the table.

?

Find the missing piece of data given the following clues about all six trials (which includes the missing piece of data). Clues: the range is 7, the mode is 11, and the median is 12.

A 10 B 11 C 12 D 13

1. CMS collected data on 6th graders.



Which statement is NOT valid based on the data in the bar graph?

A The number of April births is less than

 50% of the number of May births.

B More than 50% of the students have a

 birthday during the first 6 months of a

 calendar year.

C The highest number of births in 1

 month is more than triple the lowest

 number of births in 1 month.

D The median number of births in 1

 month is 31.

1. Ryan has the following test grades in math: 72, 79, 85.

What is the lowest that Ryan can make on the 4th math test and have a mean test grade of 80?

A 80 B 84 C 90 D 78