

NAME

QUARTER

GRADE & SECTION

DATE

Activity: Quartile

Find the quartile using linear interpolation. Fill-up the Math-Breaker Map as guide in coming up with conclusion.

The following are scores of ten students in their 40-item quiz. Find the second quartile: 34 23 15 27 36 21 20 13 33 25

Arrange the data in ascending order

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Total number of elements

$N =$

Locate the position of the score in the distribution.

$$Q_{\text{ }} = \frac{\text{ } (N+1)}{4} = \frac{\text{ } (\text{ } +1)}{4}$$

$$Q_{\text{ }} = \text{ }$$

Find the difference between the two values wherein the Q_k is situated.

$$\text{ } - \text{ } = \text{ }$$

Multiply the decimal part result of the Q_k to the difference.

$$\text{Difference} \times \text{Decimal} = \text{ }$$

Add the result in to the smaller number to get the value of Q_k

$$\text{Smaller value} + \text{product} = \text{ }$$

INTERPRETATION:

The quartile is .

Thus, we conclude that % of the 10 students scored less than points in their 40-item quiz.

Compute for the lower quartile. The weights (in kg) of the students in a class are the following:

69 70 75 66 83 88 66 63 61 68 73 57 52 58

Arrange the data in ascending order

Total number of elements

$N =$

Locate the position of the score in the distribution.

$$Q_{\text{ }} = \frac{\text{ } (N+1)}{4} = \frac{\text{ } (\text{ } +1)}{4}$$

$$Q_{\text{ }} = \text{ }$$

Find the difference between the two values wherein the Q_k is situated.

$$\text{ } - \text{ } = \text{ }$$

Multiply the decimal part result of the Q_k to the difference.

$$\text{Difference} \times \text{Decimal} = \text{ }$$

Add the result in to the smaller number to get the value of Q_k

$$\text{Smaller value} + \text{product} = \text{ }$$

INTERPRETATION:

The quartile is .
Thus, we conclude that % of the 14 students weighs less than kg.

How many attempts? ____.
How well did you do?



Need help!



Just OK!



Splendid

I CAN...