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

_____ _____ _____ _____ _____ _____ _____ _____ _____ _____

Total number of elements

$N =$ _____

Locate the position of the score in the distribution.

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

$$Q_{__} = ____$$

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

_____ − _____ = _____

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

Difference _____ × Decimal _____ = _____

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

Smaller value _____ + product _____ = _____

INTERPRETATION:

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

Prepared by: QUEENIE PEARL E. DOMASIG

LIVEWORKSHEETS

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.

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

$$Q_{\square} = \square$$

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

$\square - \square = \square$

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

Difference Decimal

$\square \times \square = \square$

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

Smaller value product

$\square + \square = \square$

INTERPRETATION:

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

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

Need help! Just OK! Splendid

I CAN...

Prepared by: QUEENIE PEARL E. DOMASIG

LIVEWORKSHEETS