NAME _____ QUARTER _____

GRADE & SECTION _____ DATE _____

Activity: Percentile

Find the indicated percentile. Fill-up the Math-Breaker Map as guide in coming up with conclusion.

The following are scores of nine students in their 40-item quiz. Find the 70th percentile: **34** **23** **15** **27** **36** **21** **20** **13** **33**

Arrange the data in ascending order

_____ _____ _____ _____ _____ _____ _____ _____ _____

Total number of elements

$N =$ _____

Locate the position of the score in the distribution.

$$P_{\square} = \frac{\square N}{100} = \frac{\square \cdot \square}{100}$$

$$P_{\square} = \square$$

Value of D_k

_____

Location of D_k

_____

_____ position/ observation

INTERPRETATION:

The _____ _____ percentile is _____.
Thus, we conclude that _____% of the 9 students scored less than _____ points in their 40-item quiz.
Moreover, _____% of the 9 students scored more than _____ points in their 40-item quiz.

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Compute for the 85th percentile. 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 88

Arrange the data in ascending order

Total number of elements

$N =$

Locate the position of the score in the distribution.

$$P_{\square} = \frac{\square N}{100} = \frac{\square \cdot \square}{100}$$

$$P_{\square} = \square$$

Location of D_k

position/ observation

Value of D_k

INTERPRETATION:

The ____ percentile is ____.
Thus, we conclude that ____% of the 15 students weighs less than ____kg.
Moreover, ____% of the 15 students weighs greater than ____kg.

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

Need help! Just OK! Splendid

I FEEL THAT…

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