

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.

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

$$P_{\text{ }} = \text{ }$$

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.

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.

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

$$P_{\text{ }} = \text{ }$$

Value of D_k

Location of D_k

position/
observation

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...