WHAT IN THE WORLD IS A Z-SCORE?

Z-scores measure the number of standard deviations a data value is away from the mean.

The mean of a set of data is 30. The standard deviation is 5.

Find the z-scores of the following data values:

40

25

100

31

18

The mean of a set of data is 20. The standard deviation is 10.

Find the z-scores of the following data values:

15

30

0

35

40