

# Download Standard Deviation Word Problems

Somebody who is 3 standard deviations from the mean could either have a score of 90 or 160. The score of 90 will be considered low and somewhat average while the score of 160 is considered to be gifted. Problem #3: The standard deviation of a student's grades is zero. The standard deviation is the square root of the variance. The population deviation is denoted by  $\sigma$ . It is given by the formula:  $\sigma = \sqrt{\frac{\sum (x_i - \mu)^2}{N}}$ . The capital Greek letter sigma is commonly used in mathematics to represent a summation of all the numbers in a grouping. N is the number of terms in the population. Word problems with normal distribution: "Between": Steps. Step 1: Identify the parts of the word problem. The word problem will identify: The mean (average or  $\mu$ ). Standard deviation ( $\sigma$ ). Number selected (i.e. "choose one at random" or "select ten at random")., Standard Deviation Word Problems.

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