

III. Last year's mean weekly Walkman sales were 16 and the standard deviation was 4. Use the empirical rule to determine a range for Walkman sales for one, two, and three sample standard deviations from the mean.

A. One Standard Deviation

B. Two Standard Deviations

C. Three Standard Deviations

IV. Use Chebyshev's rule to determine a range for Walkman sales being within two sample standard deviations of the mean.

V. Darin read in a trade publication that the average Walkman sales and standard deviation for a store his size and type are 18 and 3 respectively. Using the sample data from page 18, are Darin's Walkman sales more or less variable than those of his industry? Use the standard deviation calculated in problem I.