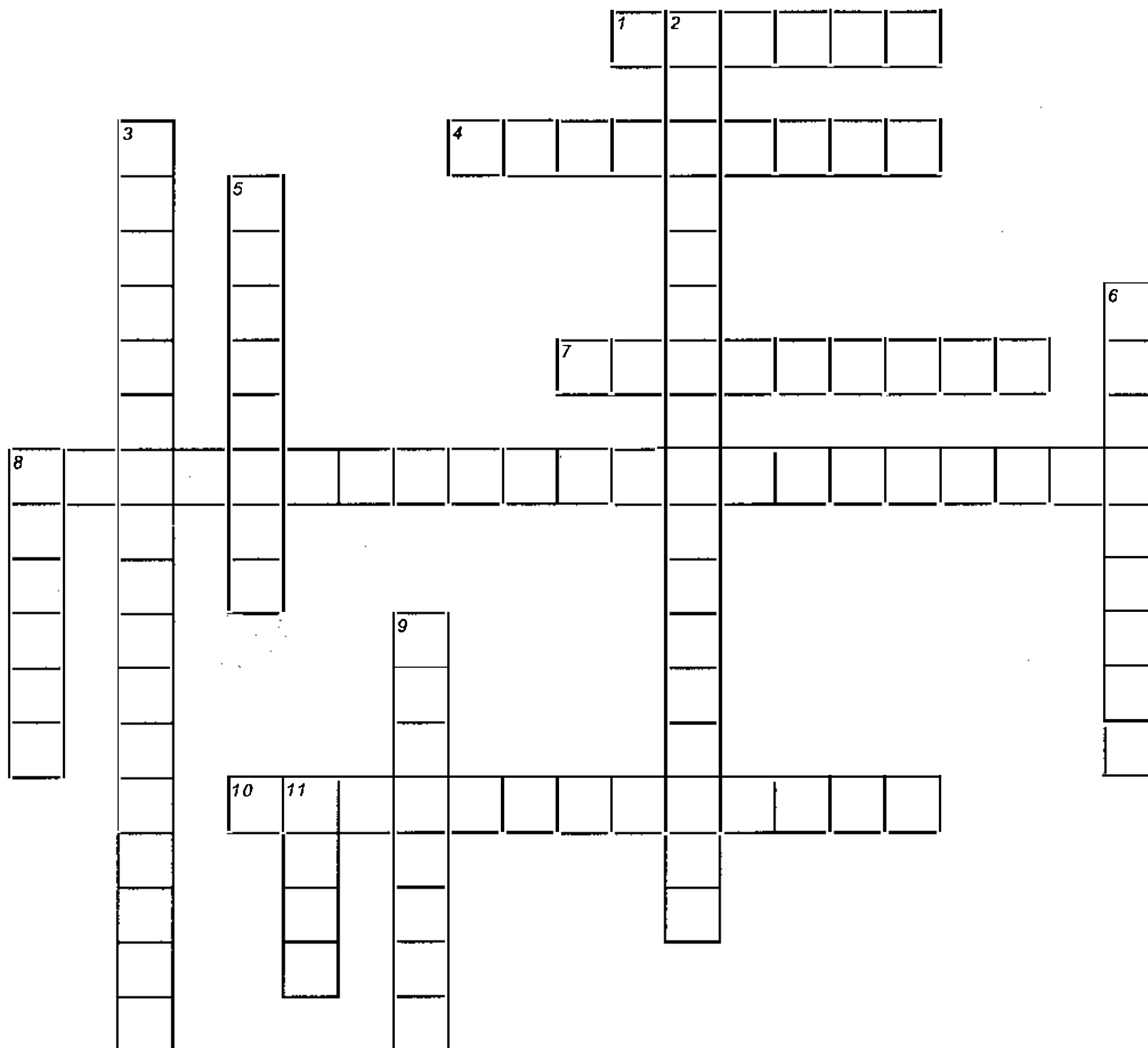


Chapter 6

Standard Deviation & the Normal Model

Advanced Placement Statistics



Stats: Modeling the World, Chapter 6

ACROSS

- 1 tells how many standard deviations a value is from the mean
- 4 the process of multiplying each value by a constant that multiplies both the measures of position and measures of spread by that constant
- 7 numerical attribute of a model
- 8 display to help assess whether a distribution of data is approximately Normal
- 10 in a Normal Model, about 68% of the values fall within 1 standard deviation of the mean, about 95% within 2 standard deviations, and about 99.7% within 3 standard deviations

DOWN

- 2 the value found by subtracting the mean and dividing by the standard deviation
- 3 the square root of the variance
- 5 type of Normal model with mean 0 and standard deviation 1
- 6 numerical attribute of a set of data
- 8 model used for certain unimodal, symmetric distributions
- 9 the sum of the squared deviations from the mean, divided by the count minus one
- 11 center of the Normal model