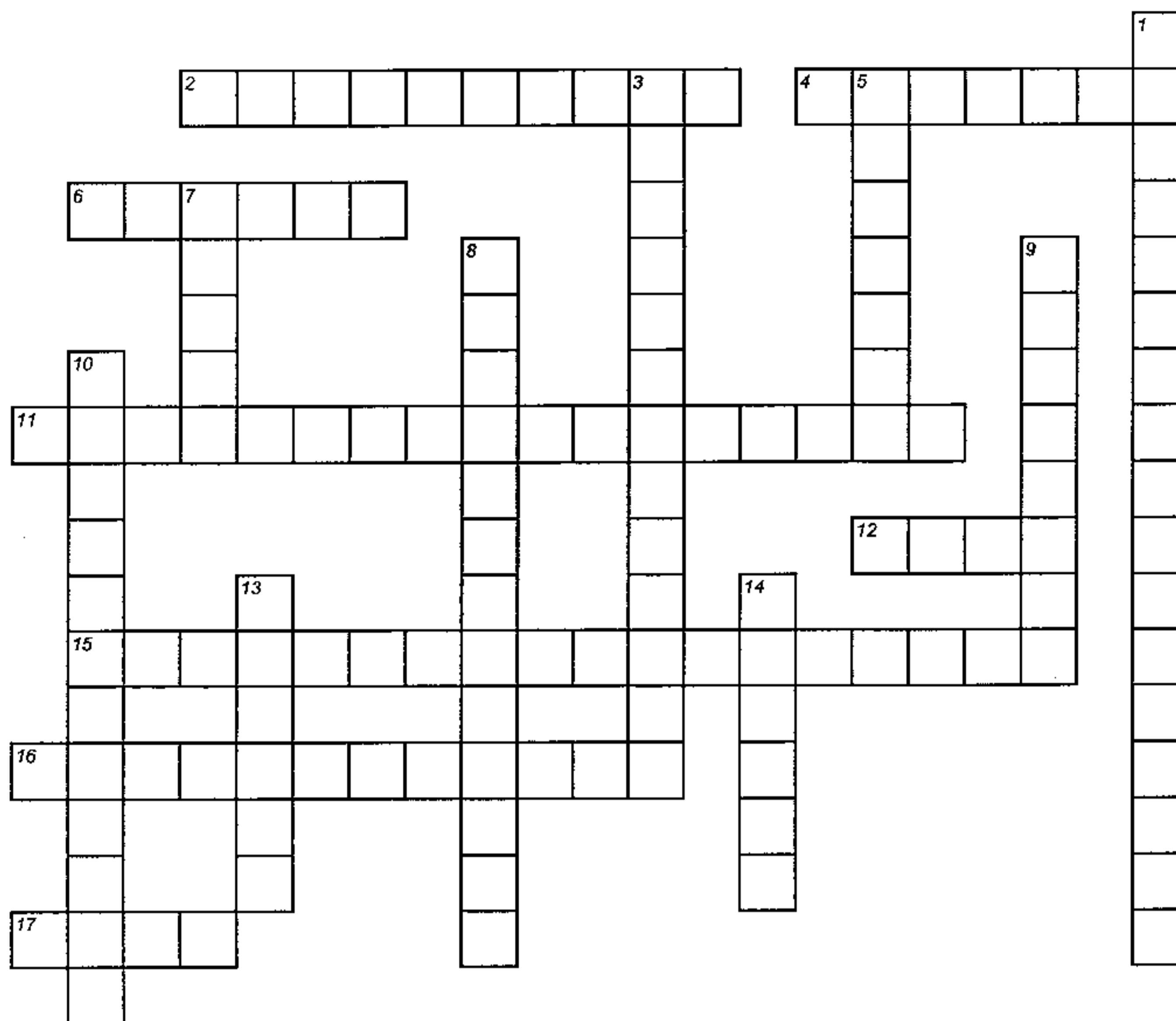


# Chapter 5

## Describing Distributions Numerically

### *Advanced Placement Statistics*



Stats: Modeling the World, Chapter 5

#### ACROSS

- 2 the number that falls above a given % of the data
- 4 displays the 5-number summary as a central box with the whiskers that extend to the non-outlying data values.
- 6 a numerical summary of how tightly the values are clustered around the "center"
- 11 minimum, lower quartile, median, upper quartile, maximum
- 12 found by summing all the data values and dividing by the count
- 15 the difference between the first and third quartiles
- 16 variable that describes data using numbers as numerical values
- 17 the value that occurs most frequently

#### DOWN

- 1 the square root of the variance
- 3 the value with a quarter of the data below it
- 5 value more than 1.5 times the IQR below Q1 or above Q3
- 7 difference between the maximum value and the minimum value
- 8 the value with a quarter of the data above it
- 9 the sum of the squared deviations from the mean, divided by the count minus one
- 10 the possible values of the variable and the relative frequency of each value
- 13 a value that summarizes the entire distribution with a single number, a "typical" value
- 14 the middle value of a distribution with half the data above and half the data below it