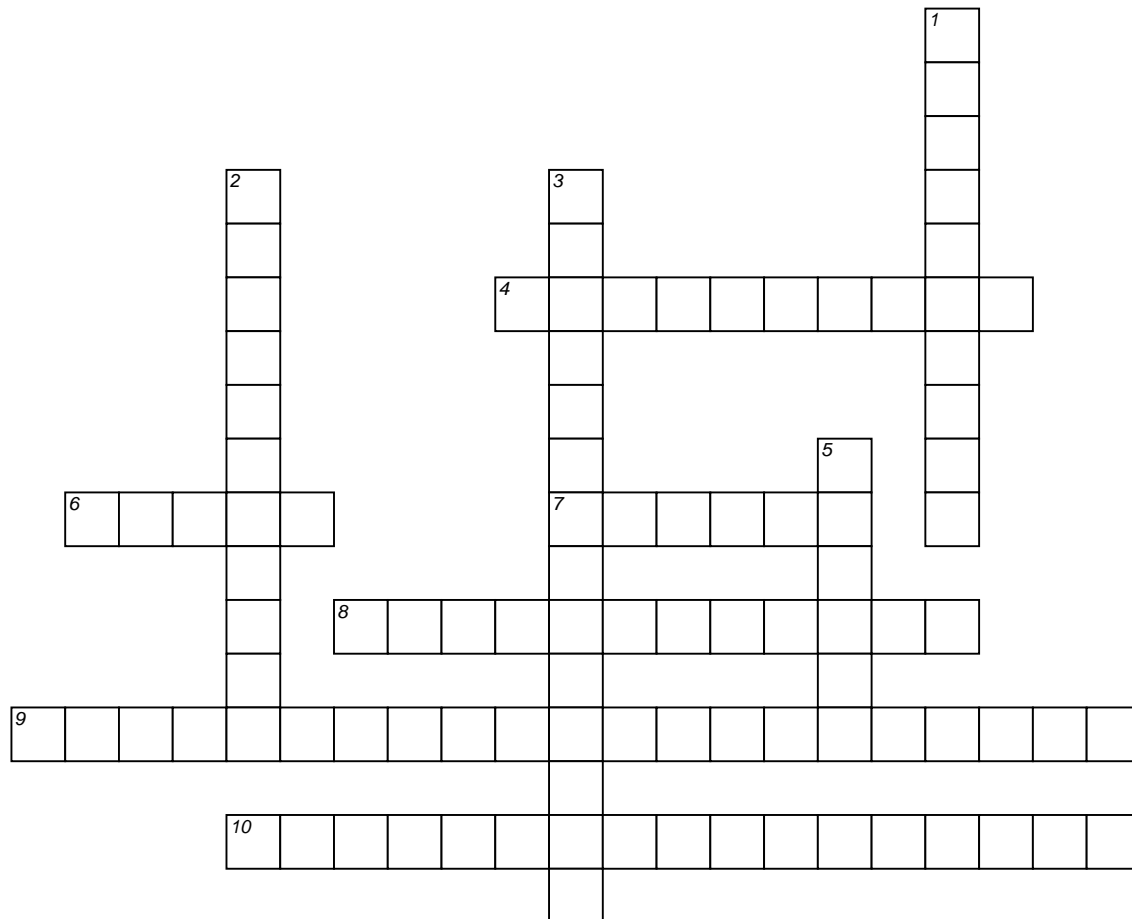


# Testing Hypotheses about Proportions

## *Advanced Placement Statistics*



Stats: Modeling the World, Chapters 20-21

### ACROSS

- 4** threshold P-value that determines when we reject a null hypothesis
- 6** probability that a hypothesis test will correctly reject a false null hypothesis
- 7** the probability of observing a value for a test statistic at least as far from the hypothesized value as the statistic actually observed if the null hypothesis is true
- 8** decision made when the p-value is large enough to believe that the statistic could have occurred due to chance variation
- 9** proposes what we should conclude if we find the null hypothesis to be unlikely
- 10** alpha level

### DOWN

- 1** error of rejecting a null hypothesis when in fact it is true (also called a "false positive")
- 2** error of failing to reject a null hypothesis when in fact it is false (also called a "false positive")
- 3** claim that specifies a value for some population parameter that can form the basis for assuming a sampling distribution for a test statistic
- 5** decision made when the p-value is too small to believe that the statistic could have occurred due to chance variation