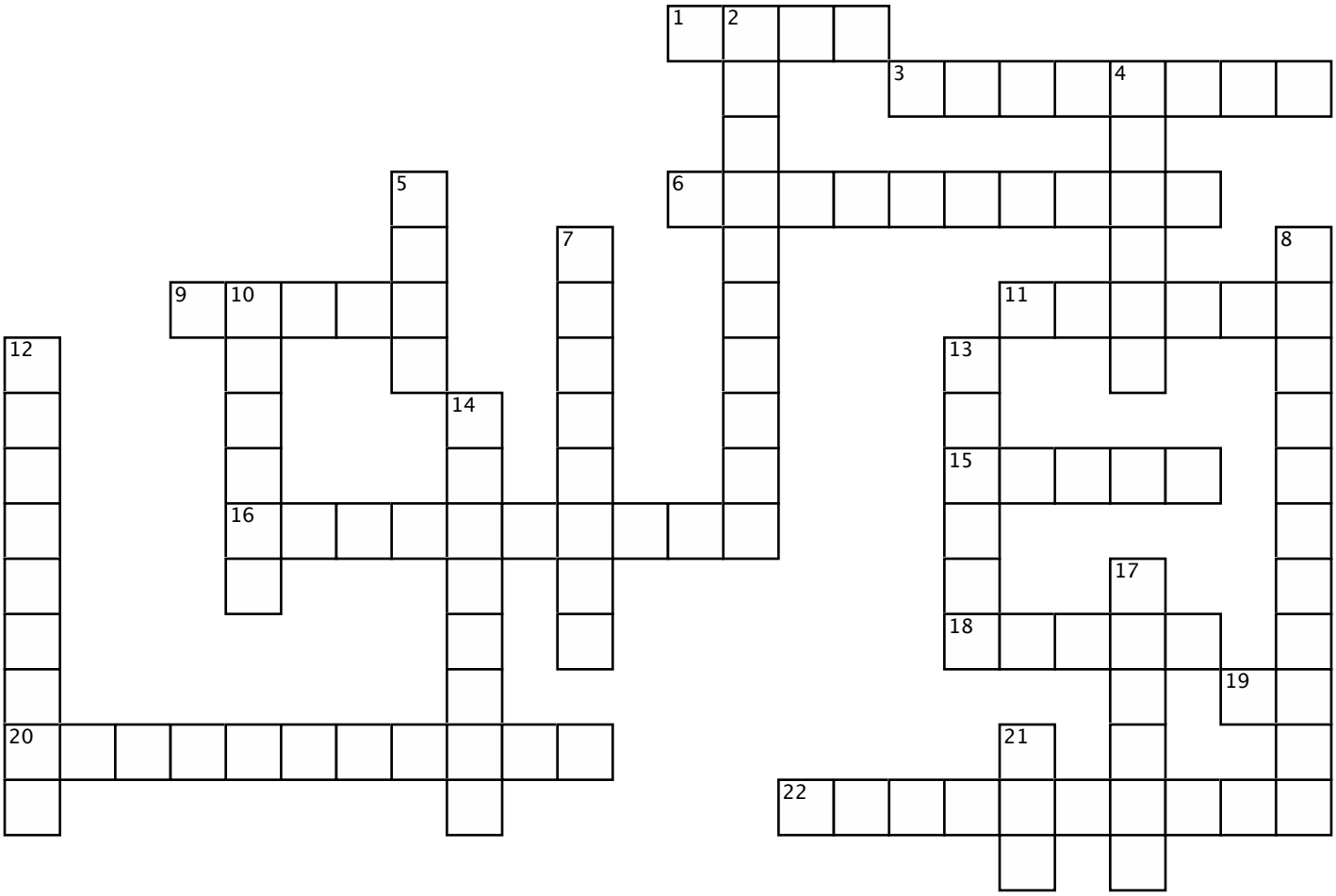
YMS Ch12: Inference for Proportions

AP Statistics at LSHS

Mr. Molesky



Across

1. Sample proportion
3. TI command for a CI
6. To estimate a proportion, we build a _ interval.
9. CI: estimate ± margin of _
11. The sampling distribution of p-hat is approximately _.
15. Greek letter for the level of significance
16. Before performing inference, check your _!
18. Variability of the sample statistic: Standard _.
19. Greek letter used to represent a proportion
20. If pvalue is less than alpha, our phat is statistically _.
22. When comparing proportions, we test their...

Down

2. A claim about a parameter is called a null _
4. Another name for the test statistic
5. Null for a two proportion test: The difference equals _
7. Inferential procedures are based on the _ distribution of the statistic.
8. The claim we are gathering evidence for is the _ hypothesis
10. If p is less than alpha, we _ the null.
12. TI command for a test
13. Probability of observing a sample value as extreme as phat.
14. Component of the margin of error: _ value.
17. In a two-proportion test, we calculate a _ proportion.
21. To assume normality, we should verify nπ and n(1-π) are bigger than