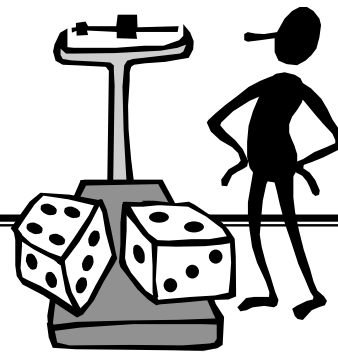


## Chapter 20: Testing Hypotheses About Proportions



### Key Vocabulary:

- hypothesis
- null hypothesis
- reject (the null hypothesis)
- fail to reject (the null hypothesis)
- alternative hypothesis

### Calculator Skills:

- 1-Prop ZTest

1. According to Webster's, what is a *hypothesis*?
2. After analyzing a set of data, if the results support a *hypothesis*, does that prove the *hypothesis* is true? Explain.
3. After analyzing a set of data, if the results are inconsistent with a *hypothesis*, does that prove the *hypothesis* is false? Explain.
4. When do we *reject a hypothesis*?
5. When testing *hypotheses*, always start by assuming that the *null hypothesis* is true. What is meant by a *null hypothesis*?

