

Guided Lesson Notes

Name: _____

Date: _____

Probability of Independent and Dependent Events

Directions: Complete this study guide as you move through the lesson. By taking notes, you are more likely to remember what you are learning. The completed study guide can be used to complete practice activities and to prepare for quizzes and exams. Be sure to save each study guide so you can access it when you need it.

Essential Vocabulary

As you encounter these mathematical terms from within the lesson, enter the meaning and an example (or two) for each of the terms. You can even draw a picture. If there are other unfamiliar words you find, enter them in the blank spaces provided.

<i>two-way frequency table</i>	<i>theoretical probability</i>
<i>experimental probability</i>	<i>probability of an event</i>
<i>independent events</i>	<i>dependent events</i>

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<i>probability of A and B</i>	<i>probability of A or B</i>
<i>conditional probability</i>	<i>conditional probability formula</i>

Introduction

The company Gameger specializes in producing single- and multi-player action and strategy games. During the last week, there were 500 downloads of Gameger games from an app store. Of those 500 downloads, 65 were single-player action games, 135 were single-player strategy games, 125 were multi-player action games, and 175 were multi-player strategy games.

How can Gameger organize this data into a single, easily readable table?