Each tutorial offers:

* Concept-focused instruction. Video presentations are used in some of the primer exercises.
* An example problem to demonstrate how the concept is applied to problems. You may find that this problem is easy for you. If it is not, *access the hints* provided to help you solve it.
* Hints that include a video sample problem of an instructor solving a similar problem and step-by-step solutions for you to complete.

You may recall many of these concepts from your high school courses, but if not, you will be able to refresh your memory. Also, you will know which areas to seek help on right at the beginning of your course. Plus, you will use the Mastering Chemistry program for your homework so you will already have experience with the program.

The following parts A and B are not chemistry related, but will provide you with an example of how the program works.  These exercises are chosen specifically to lead you through the key features of Mastering.  You might choose to submit incorrect answers and use the hints to see what happens!

**Part A -**How to enter an answer

How many squares are in this 2×2 grid (Figure 1) ? Note that the figure link lets you know that a figure goes along with this part. This figure is available to the left.

**Enter your answer as a number in the box below and then submit your answer by clicking Submit.  (*Instructions like this appear above the answer boxes where needed.)***

Number of squares = 

### Part B

What is the magic number? (Figure 2)

Note that there is a figure also associated with this part. However, the figure for Part A may still be visible on the left. To view the figure associated with Part B, click on the figure link. A new figure should appear on the left.

You could try to guess the magic number but you would probably use up all your tries before getting the answer. Notice the *new* Hints button underneath the answer box for this question. Clicking this button will open up a list of hints that will guide you to the correct number.

**Express your answer as an integer.**

|  |  |  |  |
| --- | --- | --- | --- |
|  | |  |  | | --- | --- | |  |  | |
| Magic number = |  |

**Submit Hints My Answers Give Up Review Part**

### Part C

Multiple-choice questions have a special grading rule. If you determine the answer by process of elimination then you won't get credit. So, if you submit an incorrect answer to a multiple-choice question with *n* options, you will lose 1/(*n*−1) of the credit for that question. Just like the similar multiple-choice penalty on most standardized tests, this rule is necessary to prevent random guessing until the correct answer is the last choice remaining.

If a multiple-choice question has five answer choices and you submit one wrong answer before getting the question correct, how much credit will you *lose* for that part of the question?

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If a multiple-choice question has five answer choices and you submit one wrong answer before getting the question correct, how much credit will you *lose* for that part of the question?

|  |
| --- |
| 20% |
| 33% |
| 25% |
| 100% |
| 50% |