**OM 302 S23 Test 1**

**Answer Key**

00:30:00

Last Name:  


First Name:  


Email address:  


University's ID (last 4 digits):  


This is your Test 1 answer sheet. You have 30 minutes to enter your answers. You are allowed one attempt. Please note the following:  
1. When you are on the page with the problem #10, do not click” next" unless you ready to submit your work for grading.  
2. All problems are "multiple response" problem and will require more than one answer.  
.  
  
Good Luck!!!

**Question 1 of 10**

Problem 1.

* Select the probability P(64≤x≤67) (0 points)
* 0.25 (0 points)
* 0 (0 points)
* 1.50 (0 points)
* 0.50 (0 points)
* 0.15 (10 points)

***(10 points) | \_\_\_***

Correct

Incorrect

**Question 2 of 10**

Problem 2.

* What is the P>5? (0 points)
* 0.2707 (0 points)
* 0.0166 (10 points)
* 0.2706 (0 points)
* 0.1804 (0 points)
* 0.09022 (0 points)
* 0.0360 (0 points)
* 0.9834 (0 points)

***(10 points) | \_\_\_***

Correct

Incorrect

**Question 3 of 10**

Problem 3.

* a) In this section, please select how many subjects can correctly identify their preferred soft drink? (0 points)
* 15 (0 points)
* 9 (10 points)
* 0 (0 points)
* 1 (0 points)
* b) What is the probability that exactly 10 of these subjects will correctly identify their preferred drink? (0 points)
* 0.1859 (10 points)
* 0.12670 (0 points)
* 0.0634 (0 points)
* c) What is the probability that at least 10 of the subjects will correctly identify their preferred drink? (0 points)
* 0.02194 (0 points)
* 0.0047 (0 points)
* 0.00047 (0 points)
* 0.4032 (10 points)

***(10 points) | \_\_\_***

Correct

Incorrect

**Question 4 of 10**

Problem 4.

* What should be the inventory level? Round up to the next integer. (0 points)
* 1,571.10 (0 points)
* 1,570 (0 points)
* 829.898 (0 points)
* 830 (10 points)
* 225 (0 points)
* 1,200 (0 points)
* -1.6449 (0 points)

***(10 points) | \_\_\_***

Correct

Incorrect

**Question 5 of 10**

Problem 5.

* a) How many different samples are possible then the order is important? (0 points)
* 3,003 (0 points)
* 300,033 (0 points)
* 10,897,286,400 (10 points)
* 11.897.286,400 (0 points)
* 1 (0 points)
* b) How many different samples are possible when order is not important: (0 points)
* 3,003 (10 points)
* 300,033 (0 points)
* 10,897,286,400 (0 points)
* 11,897,286,400 (0 points)

***(10 points) | \_\_\_***

Correct

Incorrect

**Question 6 of 10**

Problem 6.

* What are the expected unit sales in the 17th quarter? Roundup to the next integer. (0 points)
* 8 (0 points)
* 18 (0 points)
* 4,137.63 (0 points)
* 4,138 (10 points)
* 5,200 (0 points)
* 18.20 (0 points)

***(10 points) | \_\_\_***

Correct

Incorrect

**Question 7 of 10**

Problem 7.

* What is the probability of e1or e5? (0 points)
* 0.2593 (0 points)
* 0.3704 (0 points)
* 0.6296 (0 points)
* 0.0926 (0 points)
* 0.5370 (10 points)

***(10 points) | \_\_\_***

Correct

Incorrect

**Question 8 of 10**

Problem 8.

* What is the revised probability of "No Sale"? (0 points)
* 27,300 units (0 points)
* 41,000 units (0 points)
* 0.6873 (0 points)
* 0.6774 (0 points)
* 0.3226 (10 points)
* 0.4200 (0 points)
* 0.2000 (0 points)
* 0.6200 (0 points)

***(10 points) | \_\_\_***

Correct

Incorrect

**Question 9 of 10**

Problem 9.

* What is the value of P ≤ 0.75 minutes? (0 points)
* 30 (0 points)
* 75 (0 points)
* 50 (0 points)
* 0.2021 (0 points)
* 0.6873 (0 points)
* 0.3127 (10 points)
* 0.3750 (0 points)
* -0.3750 (0 points)
* 0.33 (0 points)

***(10 points) | \_\_\_***

Correct

Incorrect

**Question 10 of 10**

Problem 10.

* What is the value of Variance? (0 points)
* 64 (0 points)
* 64.2063 (0 points)
* 0.5180 (10 points)
* 0.7197 (0 points)
* 5 (0 points)

***(10 points) | \_\_\_***

Correct

Incorrect

You have reached the end of this answer sheet. Click "next" when you are ready to submit your answers to be graded.