Sungwook Lee Assignment Homework2.1 due 02/17/2020 at 11:59pm CST

1. (1 point) Library/ASU-topics/setCount/p10.pg A particular brand of shirt comes in 10 colors, has a male version and a female version, and comes in 4 sizes for each sex.

How many different types of this shirt are made?

Your answer is:____

Correct Answers:

• 80

2. (1 point) Library/ASU-topics/setCount/sw10_1_15.pg

3 dice of different colors are rolled, and the number coming up on each die is recorded. How many different outcomes are possible?

Your answer is : _____

Correct Answers:

• 216

3. (1 point) Library/ASU-topics/setCount/sw10_1_21.pg

Standard automobile license plates in a country display 2 numbers, followed by 3 letters, followed by 2 numbers. How many different standard plates are possible in this system? (Assume repetition of letters and numbers is allowed.) Your answer is : ______

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Correct Answers:

• 175760000

4. (1 point) Library/ASU-topics/setCount/sw10_1_23.pg

A true-false test contains 20 questions. In how many different ways can the 20-question test be answered? (Give an exact answer.)

Your answer is : _____

Correct Answers:

• 1.04858E+06

5. (1 point) Library/Rochester/setAlgebra38Counting/sw10_1_3.p
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How many three-letter "words" can be made from 4 letters "FGHI" if repetition of letters

(a) is allowed?

Your answer is : _____

(b) is not allowed? Your answer is : ____

Correct Answers:

• 64

• 24