
Name: _____

QUIZ 10 ♠

MATH 211
February 21, 2023

1. How many 10-digit binary strings are there that do not have exactly four 1's?
Show and explain your work fully.

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QUIZ 10 ♦

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February 21, 2023

1. How many positive 10-digit integers contain no 0's and exactly three 6's?
Show and explain your work fully.

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QUIZ 10 ♣

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1. This problem concerns lists of length 6 made from the letters A, B, C, D, E, F , without repetition. How many such lists are there for which the D occurs before the A ? Show and explain your work.

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QUIZ 10 ♥

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1. How many 10-digit binary strings are there that have exactly four 1's or exactly five 1's? Show and explain your work fully.