
Name: _____

QUIZ 12 ♠

MATH 211
February 28, 2023

1. How many 4-digit numbers are even or divisible by 5?
(Examples: 9764, 4475 and 4470 are even or divisible by 5, but 5421 is not.)

Name: _____

QUIZ 12 ♦

MATH 211
February 28, 2023

1. A length-4 list is made from the letters A, B C, D, E, with repetition allowed.
How many such lists begin **or** end with a vowel?

Name: _____

QUIZ 12 ♣

MATH 211
February 28, 2023

1. A length-4 list is made from the letters A, B C, D, E, with repetition allowed.
How many such lists begin with a vowel **or** end with a consonant?

Name: _____

QUIZ 12 ♥

MATH 211
February 28, 2023

1. A length-4 list is made from the letters A, B C, D, E, with repetition allowed.
How many such lists begin with a vowel **or** have no repeated letters?
(Examples: EDCC, EAAA, ABCD, DCAE, BCDE.)