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Name: \_\_\_\_\_

QUIZ 9 ♠

MATH 211  
February 16, 2023

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1. Five cards are dealt off of a shuffled 52-card deck and lined up in a row.
  - (a) How many such 5-card lineups are there in which all five cards have the same color?  
(i.e., all red, or all black)

- (b) How many such 5-card lineups are there in which **not** all five have the same color?

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Name: \_\_\_\_\_

QUIZ 9 ♦

MATH 211  
February 16, 2023

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1. Five cards are dealt off of a shuffled 52-card deck and lined up in a row.
  - (a) How many such 5-card lineups are there in which all five cards are of the same suit?

- (b) How many such 5-card lineups are there in which **not** all five cards are of the same suit?

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Name: \_\_\_\_\_

QUIZ 9 ♣

MATH 211  
February 16, 2023

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1. Five cards are dealt off of a shuffled 52-card deck and lined up in a row.
  - (a) How many such 5-card lineups are there in which all five cards are clubs, or all five are red?
  
  
  
  
  
  
  
  
  
  
  - (b) How many such 5-card lineups are there in which it is **not** the case that all five cards are clubs or all five are red?

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Name: \_\_\_\_\_

QUIZ 9 ♥

MATH 211  
February 16, 2023

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1. Five cards are dealt off of a shuffled 52-card deck and lined up in a row.
  - (a) How many such 5-card lineups are there in which all five cards are hearts, or all five are clubs?
  
  
  
  
  
  
  
  
  
  
  - (b) How many such 5-card lineups are there in which it is **not** the case that all five cards are hearts or all five are clubs?