

Quiz for Week 1

⚠ This is a preview of the published version of the quiz

Started: 2 Oct at 23:46

Quiz instructions

Quiz time is from 17.15 to 18.00 of August 16, 2023.

Question 1

1 pts

Consider the sample space $S = \{s_1, s_2, s_3, s_4, s_5, s_6, s_7, s_8, s_9\}$. Define events $A = \{s_1, s_2, s_5, s_8\}$, $B = \{s_3, s_4, s_5, s_9\}$, $C = \{s_3, s_7, s_8\}$. Which of the following is INCORRECT?

- ☐ $A \cap B \neq \emptyset$
- ☒ $A \cup B \cup C = S$
- ☐ $B \cup C = \{s_3, s_4, s_5, s_7, s_8, s_9\}$
- ☐ $A \cap B \cap C = \emptyset$

Question 2

1 pts

How many odd three digit numbers can be formed from the digits 2,3,4,5, and 6 if each digit can be used at most once?

- ☐ 40
- ☐ None of the given options
- ☒ 24
- ☐ 36

Question 3**1 pts**

Randomly pick 5 balls from a jar with 8 different balls. How many different sets of balls are possible in total?

- ☐ 24
- ☐ None of the given options
- ☒ 56
- ☐ 42

Saved at 23:46

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