

Statistics and Probability 4

Name: _____

Use the following information to answer question 7.

A teacher placed a cafeteria coupon in only one of three differently coloured envelopes. A randomly selected student was asked to choose one of the three envelopes. The student chose the red envelope because red was his favourite colour.

7. The student's decision was based on

- A. subjective judgment
- B. theoretical probability
- C. experimental probability
- D. mathematical calculation

Use the following information to answer question 10.

A manager selected 25 watches to test from a batch of 750 watches. He determined that 3 of the selected watches were defective. Based on the results of his survey, the manager concluded that 12% of the 750 watches were defective.

10. Which of the following assumptions did the manager use to reach his conclusion?

- A. The process for testing the watches was unreliable.
- B. The parts used in the watches are rarely defective.
- C. The sample was representative of the population.
- D. The watches were made by the same employee.

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