

Mathematics Toolkit: Grade 8 Objective 5.A.1.b

Standard 5.0 Knowledge of Probability

Topic A. Sample Space

Indicator 1. Identify a sample space

Objective b. Determine the number of outcomes

Assessment Limits:

Use no more than 5 dependent events with no more than 10 outcomes in the first event

Selected Response (SR) Item

Question

George has a bag of marbles. Inside the bag are 5 red marbles, 3 green marbles, and 2 blue marbles. He draws out two marbles in a row, without replacement. What is the number of outcomes?

- A. 10
- B. 20
- C. 90
- D. 100

Correct Answer

- C. 90

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