

Mathematics Toolkit: Grade 6 Objective 5.B.1.b

Standard 5.0 Knowledge of Probability

Topic B. Theoretical Probability

Indicator 1. Determine the probability of one simple event comprised of equally likely outcomes

Objective b. Express the probability of an event as a decimal

Assessment Limits:

Use a sample space of 10, 20, 25, or 50 outcomes

Selected Response (SR) Item

Question

Reggie is bowling. In the last 50 throws of his bowling ball, Reggie makes a strike 18 times. Based on his last 50 throws, what is the experimental probability that Reggie will make a strike on his next throw?

- A. 0.09
- B. 0.18
- C. 0.27
- D. 0.36

Correct Answer

- D. 0.36

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