Mathematics Grade 7 IAB - Statistics and Probability

13 questions are represented by the targets listed in Claim 1.

Claim #1
Concepts and Procedures
Students can explain and apply mathematical concepts and carry out mathematical procedures with precision and fluency.

Statistics and Probability

Target G
Use random sampling to draw inferences about a population.

Standards 7.SP 1
7.SP 2

DOK 1, 2

Target H
Draw informal comparative inferences about two populations.

Standards 7.SP 3
7.SP 4

DOK 2

Target I
Investigate chance processes and develop, use, and evaluate probability models.

Standards 7.SP 5
7.SP 6
7.SP 7
7.SP 8

DOK 1, 2
Claim #4
MODELING AND DATA ANALYSIS
Students can analyze complex, real-world scenarios and can construct and use mathematical models to interpret and solve problems.

Target A: Apply mathematics to solve problems arising in everyday life, society, and the workplace.

Target B: Construct, autonomously, chains of reasoning to justify mathematical models used, interpretations made, and solutions proposed for a complex problem.

Target C: State logical assumptions being used.

Target D: Interpret results in the context of a situation.

Target E: Analyze the adequacy of and make improvements to an existing model or develop a mathematical model of a real phenomenon.

Target F: Identify important quantities in a practical situation and map their relationships (e.g., using diagrams, two-way tables, graphs, flowcharts, or formulas).

Target G: Identify, analyze and synthesize relevant external resources to pose or solve problems.


DOK 2, 3  DOK 2, 3, 4  DOK 1, 2, 3  DOK 2, 3  DOK 2, 3, 4  DOK 1, 2, 3  DOK 3, 4