Mathematics High School IAB - Statistics and Probability

6 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 P
Summarize, represent and interpret data on a single count or measurement variable.

Standards
A2 S ID 4

DOK 2
Claim #2

PROBLEM SOLVING

Students can solve a range of complex well-posed problems in pure and applied mathematics, making productive use of knowledge and problem-solving strategies.

Target A
Apply mathematics to solve well-posed problems in pure mathematics and those arising in everyday life, society, and the workplace.

Target B
Select and use appropriate tools strategically.

Target C
Interpret results in the context of a situation.

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


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

Created by Orange USD Student Assessment and Educational Measurement (Bourgeois Ph. D./Torres)
Ref: Math Interim Assessment Blocks Blueprint
Revised 7/27/16
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

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