



Honors Business Math Semester 2 Final Assessment Blueprint

Year Created: 2023-2024
Subject: Math

Method of Delivery: Online
Administration Window: May Common Finals

Resources

[Math Curriculum Page](#)

Standards At-A Glance

Standard	Number of Items	Standard Description
MA.9-12.A1.A-CED.A.1	1	Create equations and inequalities in one variable and use them to solve problems. Include problem-solving opportunities utilizing real-world context. Focus on linear, quadratic, exponential and piecewise-defined functions (limited to absolute value and step).
MA.9-12.A1.A-CED.A.2	1	Create equations in two or more variables to represent relationships between quantities; graph equations on coordinate axes with labels and scales.
MA.9-12.A1.S-ID.A MA.9-12.A2.S-ID.A	2	Summarize, represent, and interpret data on a single count or measurement variable.
MA.9-12.A1.S-ID.A.1	1	Represent real-value data with plots for the purpose of comparing two or more data sets.
MA.9-12.A1.S-ID.A.2	1	Use statistics appropriate to the shape of the data distribution to compare center (median, mean) and spread (interquartile range, standard deviation) of two or more different data sets.
MA.9-12.A1.S-ID.A.3	1	Interpret differences in shape, center, and spread in the context of the data sets, accounting for possible effects of outliers if present.
MA.9-12.A2.A-SSE.B.4	2	Derive the formula for the sum of a finite geometric series (when the common ratio is not 1), and use the formula to solve problems.
MA.9-12.A2.S-CP.A	2	Understand independence and conditional probability and use them to interpret data.
MA.9-12.A2.S-CP.B	1	Use the rules of probability to compute probabilities of compound events in a uniform probability model.
MAT152.1.0	1	Define, distinguish, and interpret the relations and functions and their inverses represented verbally, graphically, numerically, or algebraically. (I-VII)
MAT217.2.II.0	6	Linear programming
MAT217.3.III.0	3	Systems of linear equations and matrices
MAT217.4.IV.0	3	Probability
MAT217.4.IV.A	3	Sample Spaces and Events
MAT217.4.IV.B	2	Fundamental principle of counting
MAT217.4.IV.C	5	Conditional probability
MAT217.4.IV.D	1	Independent events
MAT217.5.V.B	1	Expectation
MAT217.5.V.C	2	Bernoulli trials and the binomial distribution
MAT217.5.VI.D	2	Standard Normal Curve
MAT217.5.VI.E	1	Normal Curves

*Some items may be tagged to more than one standard.

Depth of Knowledge

DOK	Number of Items
Level 1: Recall	0
Level 2: Skill/Concept	13
Level 3: Strategic Thinking	26
Level 4: Extended Thinking	1

Item Types Included

Type	Number of Items	Description
MC	40	Multiple Choice - Select one answer