

**SBAC Block Mirror: Math Grade 7 Statistics and Probability (AE136532)**

Item Number	Item ID	Item Type	Standard Abbreviation	Standard Text	Cluster	Claim	Target(s)	Correct Answer	DOK
1	E172788	Multiple Choice	MA.7.SP.B.4	Use measures of center and measures of variability for numerical data from random samples to draw informal comparative inferences about two populations.	MA.7.SP.B	1	H	D	2
2	E263961	Technology Enhanced - Cloze Association	MA.7.SP.C.5	Understand that the probability of a chance event is a number between 0 and 1 that expresses the likelihood of the event occurring. Larger numbers indicate greater likelihood. A probability near 0 indicates an unlikely event, a probability around 1/2 indicates an event that is neither unlikely nor likely, and a probability near 1 indicates a likely event.	MA.7.SP.C	1	I	autoscore	1
3	E259591	Multiple Choice	MA.7.SP.A.1	Understand that statistics can be used to gain information about a population by examining a sample of the population; generalizations about a population from a sample are valid only if the sample is representative of that population. Understand that random sampling tends to produce representative samples and support valid inferences.	MA.7.SP.A	1	G	C	2
4	E263954	Technology Enhanced - Math Formula	MA.7.SP.C.7.a	Develop a uniform probability model by assigning equal probability to all outcomes, and use the model to determine probabilities of events.	MA.7.SP.C	1	I	autoscore	1
5	E263960	Multiple Correct Answer	MA.7.SP.C.7	Develop a probability model and use it to find probabilities of events. Compare probabilities from a model to observed frequencies; if the agreement is not good, explain possible sources of the discrepancy.	MA.7.SP.C	1	I	A, C	2
6	E263938	Multiple Choice	MA.7.SP.A.2	Use data from a random sample to draw inferences about a population with an unknown characteristic of interest. Generate multiple samples (or simulated samples) of the same size to gauge the variation in estimates or predictions.	MA.7.SP.A	1	G	D	2
7	E264121	Technology Enhanced - Cloze Association	MA.7.SP.B.3	Informally assess the degree of visual overlap of two numerical data distributions with similar variabilities, measuring the difference between the centers by expressing it as a multiple of a measure of variability.	MA.7.SP.B	1	H	autoscore	2
8	E263953	Technology Enhanced - Math Formula	MA.7.SP.C.8	Find probabilities of compound events using organized lists, tables, tree diagrams, and simulation.	MA.7.SP.C	1	I	autoscore	2
9	E261950	Multiple Choice	MA.7.SP.B.3	Informally assess the degree of visual overlap of two numerical data distributions with similar variabilities, measuring the difference between the centers by expressing it as a multiple of a measure of variability.	MA.7.SP.B	1	H	A	2
10	E263943	Technology Enhanced - Math Formula	MA.7.SP.C.7.b	Develop a probability model (which may not be uniform) by observing frequencies in data generated from a chance process.	MA.7.SP.C	1	I	autoscore	1
11	E263993	Technology Enhanced - Cloze Dropdown	MA.7.SP.C	Investigate chance processes and develop, use, and evaluate probability models.	MA.7.SP.C	4	C, B	autoscore	2
12	E259563	Multiple Choice	MA.7.SP.C.6	Approximate the probability of a chance event by collecting data on the chance process that produces it and observing its long-run relative frequency, and predict the approximate relative frequency given the probability.	MA.7.SP.C	1	I	B	2
13	E263963	Technology Enhanced - Cloze Association	MA.7.SP.B.4	Use measures of center and measures of variability for numerical data from random samples to draw informal comparative inferences about two populations.	MA.7.SP.B	1	H	autoscore	2
14	E263939	Multiple Choice	MA.7.SP.A.2	Use data from a random sample to draw inferences about a population with an unknown characteristic of interest. Generate multiple samples (or simulated samples) of the same size to gauge the variation in estimates or predictions.	MA.7.SP.A	1	G	B	2
15	E263964	Technology Enhanced - Cloze Association	MA.7.SP.A	Use random sampling to draw inferences about a population.	MA.7.SP.A	4	E, D	autoscore	2

Totals (SBAC bp)	Claim 1	13
	Target G	3
	Target H	4
	Target I	6
	Claim 2	0
	Claim 3	0
	Claim 4	2

