

SBAC Block Mirror: Math Grade 8 Expressions & Equations II with Statistics (AE136534)

Item Number	Item ID	Item Type	Standard Abbreviation	Standard Text	Cluster	Claim	Target(s)	Correct Answer	DOK
1	E263901	Multiple Choice	MA.8.EE.C.8.b	Solve systems of two linear equations in two variables algebraically, and estimate solutions by graphing the equations. Solve simple cases by inspection.	MA.8.EE.C	1	D	D	2
2	E263903	Technology Enhanced - Math Formula	MA.8.EE.C.7.b	Solve linear equations with rational number coefficients, including equations whose solutions require expanding expressions using the distributive property and collecting like terms.	MA.8.EE.C	1	D	autoscore	2
3	E263912	Multiple Choice	MA.8.SP.A.3	Use the equation of a linear model to solve problems in the context of bivariate measurement data, interpreting the slope and intercept.	MA.8.SP.A	1	J	C	2
4	E263909	Technology Enhanced - Cloze Association	MA.8.SP.A.2	Know that straight lines are widely used to model relationships between two quantitative variables. For scatter plots that suggest a linear association, informally fit a straight line, and informally assess the model fit by judging the closeness of the data points to the line.	MA.8.SP.A	1	J	autoscore	2
5	E263902	Technology Enhanced - Graph Plotting	MA.8.EE.C.8.b	Solve systems of two linear equations in two variables algebraically, and estimate solutions by graphing the equations. Solve simple cases by inspection.	MA.8.EE.C	1	D	autoscore	2
6	E263905	Multiple Correct Answer	MA.8.EE.C.7.a	Give examples of linear equations in one variable with one solution, infinitely many solutions, or no solutions. Show which of these possibilities is the case by successively transforming the given equation into simpler forms, until an equivalent equation of the form $x = a$, $a = a$, or $a = b$ results (where a and b are different numbers).	MA.8.EE.C	1	D	C, E	2
7	E263910	Technology Enhanced - Cloze Association	MA.8.SP.A	Investigate patterns of association in bivariate data.	MA.8.SP.A	4	D, E	autoscore	1
8	E263900	Technology Enhanced - Math Formula	MA.8.EE.C.8.c	Solve real-world and mathematical problems leading to two linear equations in two variables.	MA.8.EE.C	1	D	autoscore	2
9	E263913	Multiple Choice	MA.8.SP.A.4	Understand that patterns of association can also be seen in bivariate categorical data by displaying frequencies and relative frequencies in a two-way table. Construct and interpret a two-way table summarizing data on two categorical variables collected from the same subjects. Use relative frequencies calculated for rows or columns to describe possible association between the two variables.	MA.8.SP.A	1	J	B	2
10	E263915	Technology Enhanced - Cloze Association	MA.8.EE.C.8.a	Understand that solutions to a system of two linear equations in two variables correspond to points of intersection of their graphs, because points of intersection satisfy both equations simultaneously.	MA.8.EE.C	3	E, C	autoscore	2
11	E263916	Technology Enhanced - Cloze Association	MA.8.SP.A	Investigate patterns of association in bivariate data.	MA.8.SP.A	1	J	autoscore	2
12	E263914	Multiple Choice	MA.8.SP.A.4	Understand that patterns of association can also be seen in bivariate categorical data by displaying frequencies and relative frequencies in a two-way table. Construct and interpret a two-way table summarizing data on two categorical variables collected from the same subjects. Use relative frequencies calculated for rows or columns to describe possible association between the two variables.	MA.8.SP.A	1	J	A	2
13	E263918	Technology Enhanced - Graph Plotting	MA.8.EE.C	Analyze and solve linear equations and pairs of simultaneous linear equations.	MA.8.EE.C	2	B, D	autoscore	2

Totals (SBAC bp)	Claim 1	10
	Target D	5
	Target J	5
	Claim 2	1
	Claim 3	1
	Claim 4	1