SBAC Block Mirror: Math Grade 8 Functions (AE134325)

Item Number	Item ID	Item Type	Standard Abbreviation	Standard Text	Cluster	Claim	Target(s)	Correct Answer	DOK
1	E259551	Multiple Choice	MA.8.F.A.3	Interpret the equation y = mx + b as defining a linear function, whose graph is a straight line; give examples of functions that are not linear.	MA.8.F.A	1	E	B	1
2	E260090	Multiple Choice	MA.8.F.A.2	Compare properties of two functions each represented in a different way (algebraically, graphically, numerically in tables, or by verbal descriptions).	MA.8.F.A	1	E	D	1
3	E172432	Multiple Choice	MA.8.F.B.5	Describe qualitatively the functional relationship between two quantities by analyzing a graph (e.g., where the function is increasing or decreasing, linear or nonlinear). Sketch a graph that exhibits the qualitative features of a function that has been described verbally.	MA.8.F.B	1	F	A	2
4	E260084	Multiple Choice	MA.8.F.A.1	Understand that a function is a rule that assigns to each input exactly one output. The graph of a function is the set of ordered pairs consisting of an input and the corresponding output.	MA.8.F.A	1	E	C	1
5	E225355	Technology Enhanced - Cloze Association	MA.8.F.A.1	Understand that a function is a rule that assigns to each input exactly one output. The graph of a function is the set of ordered pairs consisting of an input and the corresponding output.	MA.8.F.A	1	E	autoscore	1
6	E160826	Multiple Choice	MA.8.F.A.3	Interpret the equation y = mx + b as defining a linear function, whose graph is a straight line; give examples of functions that are not linear.	MA.8.F.A	1	E	C	2
7	E206337	Technology Enhanced - Cloze Association	MA.8.F.B.4	Construct a function to model a linear relationship between two quantities. Determine the rate of change and initial value of the function from a description of a relationship or from two (x, y) values, including reading these from a table or from a graph. Interpret the rate of change and initial value of a linear function in terms of the situation it models, and in terms of its graph or a table of values.	MA.8.F.B	1	F	autoscore	2
8	E261701	Multiple Correct Answer	MA.8.F.A	Define, evaluate, and compare functions.	MA.8.F.A	1	E	A, C, D	2
9	E260094	Technology Enhanced - Cloze Dropdown	MA.8.F.A.2	Compare properties of two functions each represented in a different way (algebraically, graphically, numerically in tables, or by verbal descriptions).	MA.8.F.A	2	A, C	autoscore	2
10	E257481	Multiple Choice	MA.8.F.B.5	Describe qualitatively the functional relationship between two quantities by analyzing a graph (e.g., where the function is increasing or decreasing, linear or nonlinear). Sketch a graph that exhibits the qualitative features of a function that has been described verbally.	MA.8.F.B	1	F	B	2
11	E260100	Technology Enhanced - Cloze Association	MA.8.F.A.2	Compare properties of two functions each represented in a different way (algebraically, graphically, numerically in tables, or by verbal descriptions).	MA.8.F.A	3	F, A	autoscore	2
12	E260097	Technology Enhanced - Classification	MA.8.F.B	Use functions to model relationships between quantities.	MA.8.F.B	4	D, A	autoscore	2
13	E260101	Technology Enhanced - Cloze Association	MA.8.F.A.1	Understand that a function is a rule that assigns to each input exactly one output. The graph of a function is the set of ordered pairs consisting of an input and the corresponding output.	MA.8.F.A	3	G, A	autoscore	2
14	E182858	Multiple Choice	MA.8.F.B.4	Construct a function to model a linear relationship between two quantities. Determine the rate of change and initial value of the function from a description of a relationship or from two (x, y) values, including reading these from a table or from a graph. Interpret the rate of change and initial value of a linear function in terms of the situation it models, and in terms of its graph or a table of values.	MA.8.F.B	1	F	D	2
15	E229547	Technology Enhanced - Graph Plotting	MA.8.F.B.5	Describe qualitatively the functional relationship between two quantities by analyzing a graph (e.g., where the function is increasing or decreasing, linear or nonlinear). Sketch a graph that exhibits the qualitative features of a function that has been described verbally.	MA.8.F.B	1	F	autoscore	2

Totals (SBAC bp)		
	Claim 1	11
	Target E	*6*
	Target F	*5*
	Claim 2	1
	Claim 3	2
	Claim 4	1

fluence