

SBAC Block Mirror: Math Grade 6 Expressions and Equations (AE132942)

Item Number	Item ID	Item Type	Standard Abbreviation	Standard Text	Cluster	Claim	Target(s)	Correct Answer	DOK
1	E256562	Multiple Choice	MA.6.EE.B.8	Write an inequality of the form $x > c$ or $x < c$ to represent a constraint or condition in a real-world or mathematical problem. Recognize that inequalities of the form $x > c$ or $x < c$ have infinitely many solutions; represent solutions of such inequalities on number line diagrams.	MA.6.EE.B	1	F	D	1
2	E261708	Multiple Correct Answer	MA.6.EE.B.5	Understand solving an equation or inequality as a process of answering a question: which values from a specified set, if any, make the equation or inequality true? Use substitution to determine whether a given number in a specified set makes an equation or inequality true.	MA.6.EE.B	1	F	B, D	1
3	E258303	Technology Enhanced - Math Formula	MA.6.EE.A.3	Apply the properties of operations to generate equivalent expressions.	MA.6.EE.A	1	E	autoscore	2
4	E258334	Technology Enhanced - Graph Plotting	MA.6.EE.C	Represent and analyze quantitative relationships between dependent and independent variables.	MA.6.EE.C	4	A, F	autoscore	2
5	E182671	Multiple Choice	MA.6.EE.C.9	Use variables to represent two quantities in a real-world problem that change in relationship to one another; write an equation to express one quantity, thought of as the dependent variable, in terms of the other quantity, thought of as the independent variable. Analyze the relationship between the dependent and independent variables using graphs and tables, and relate these to the equation.	MA.6.EE.C	1	G	A	2
6	E236143	Technology Enhanced - Cloze Dropdown	MA.6.EE.B.7	Solve real-world and mathematical problems by writing and solving equations of the form $x + p = q$ and $px = q$ for cases in which p , q and x are all nonnegative rational numbers.	MA.6.EE.B	2	A, C	autoscore	2
7	E230061	Technology Enhanced - Math Formula	MA.6.EE.C.9	Use variables to represent two quantities in a real-world problem that change in relationship to one another; write an equation to express one quantity, thought of as the dependent variable, in terms of the other quantity, thought of as the independent variable. Analyze the relationship between the dependent and independent variables using graphs and tables, and relate these to the equation.	MA.6.EE.C	1	G	autoscore	2
8	E261037	Multiple Choice	MA.6.EE.B	Reason about and solve one-variable equations and inequalities.	MA.6.EE.B	3	E, C	C	2
9	E258304	Technology Enhanced - Cloze Association	MA.6.EE.B.5	Understand solving an equation or inequality as a process of answering a question: which values from a specified set, if any, make the equation or inequality true? Use substitution to determine whether a given number in a specified set makes an equation or inequality true.	MA.6.EE.B	1	F	autoscore	2
10	E220249	Technology Enhanced - Math Formula	MA.6.EE.B.8	Write an inequality of the form $x > c$ or $x < c$ to represent a constraint or condition in a real-world or mathematical problem. Recognize that inequalities of the form $x > c$ or $x < c$ have infinitely many solutions; represent solutions of such inequalities on number line diagrams.	MA.6.EE.B	1	F	autoscore	2
11	E259848	Multiple Correct Answer	MA.6.EE.A.4	Identify when two expressions are equivalent (i.e., when the two expressions name the same number regardless of which value is substituted into them).	MA.6.EE.A	1	E	A, B, C	2
12	E258305	Technology Enhanced - Cloze Association	MA.6.EE.C.9	Use variables to represent two quantities in a real-world problem that change in relationship to one another; write an equation to express one quantity, thought of as the dependent variable, in terms of the other quantity, thought of as the independent variable. Analyze the relationship between the dependent and independent variables using graphs and tables, and relate these to the equation.	MA.6.EE.C	1	G	autoscore	2
13	E216295	Technology Enhanced - Math Formula	MA.6.EE.B.6	Use variables to represent numbers and write expressions when solving a real-world or mathematical problem; understand that a variable can represent an unknown number, or, depending on the purpose at hand, any number in a specified set.	MA.6.EE.B	1	F	autoscore	2
14	E258295	Technology Enhanced - Math Formula	MA.6.EE.A.2.c	Evaluate expressions at specific values of their variables. Include expressions that arise from formulas used in real-world problems. Perform arithmetic operations, including those involving whole-number exponents, in the conventional order when there are no parentheses to specify a particular order (Order of Operations).	MA.6.EE.A	1	E	autoscore	1
15	E183044	Multiple Choice	MA.6.EE.B.7	Solve real-world and mathematical problems by writing and solving equations of the form $x + p = q$ and $px = q$ for cases in which p , q and x are all nonnegative rational numbers.	MA.6.EE.B	1	F	B	1
16	E258804	Multiple Choice	MA.6.EE.C.9	Use variables to represent two quantities in a real-world problem that change in relationship to one another; write an equation to express one quantity, thought of as the dependent variable, in terms of the other quantity, thought of as the independent variable. Analyze the relationship between the dependent and independent variables using graphs and tables, and relate these to the equation.	MA.6.EE.C	1	G	C	2

Totals (SBAC bp)	Claim 1	13
	Target E	3
	Target F	6
	Target G	4
	Claim 2	1
	Claim 3	1
	Claim 4	1

