SBAC Block Mirror: Math Grade 7 Expressions and Equations (AE134321)

Item Number	Item ID	Item Type	Standard Abbreviation	Standard Text	Cluster	Claim	Target(s)	Correct Answer	DOK
1	E175882	Multiple Choice	MA.7.EE.B.4.a	Solve word problems leading to equations of the form px + q = r and p(x + q) = r, where p, q, and r are specific rational numbers. Solve equations of these forms fluently. Compare an algebraic solution to an arithmetic solution, identifying the sequence of the operations used in each approach.	MA.7.EE.B	1	D	B	2
2	E261500	Technology Enhanced - Math Formula	MA.7.EE.A.1	Apply properties of operations as strategies to add, subtract, factor, and expand linear expressions with rational coefficients.	MA.7.EE.A	1	C	autoscore	1
3	E261722	Technology Enhanced - Math Formula	MA.7.EE.B.3	Solve multi-step real-life and mathematical problems posed with positive and negative rational numbers in any form (whole numbers, fractions, and decimals), using tools strategically. Apply properties of operations to calculate with numbers in any form; convert between forms as appropriate; and assess the reasonableness of answers using mental computation and estimation strategies.	MA.7.EE.B	1	D	autoscore	2
4	E261497	Multiple Choice	MA.7.EE.B.4.b	Solve word problems leading to inequalities of the form px + q > r or px + q < r, where p, q, and r are specific rational numbers. Graph the solution set of the inequality and interpret it in the context of the problem.	MA.7.EE.B	1	D	C	2
5	E261520	Technology Enhanced - Cloze Association	MA.7.EE.A	Use properties of operations to generate equivalent expressions.	MA.7.EE.A	3	E, F	autoscore	2
6	E261655	Technology Enhanced - Math Formula	MA.7.EE.B.4.b	Solve word problems leading to inequalities of the form px + q > r or px + q < r, where p, q, and r are specific rational numbers. Graph the solution set of the inequality and interpret it in the context of the problem.	MA.7.EE.B	1	D	autoscore	2
7	E261716	Multiple Correct Answer	MA.7.EE.A.1	Apply properties of operations as strategies to add, subtract, factor, and expand linear expressions with rational coefficients.	MA.7.EE.A	1	C	B, E	2
8	E229747	Technology Enhanced - Cloze Association	MA.7.EE.B	Solve real-life and mathematical problems using numerical and algebraic expressions and equations.	MA.7.EE.B	4	D, F	autoscore	2
9	E261717	Multiple Correct Answer	MA.7.EE.A.2	Understand that rewriting an expression in different forms in a problem context can shed light on the problem and how the quantities in it are related.	MA.7.EE.A	1	C	A, D	2
10	E261498	Technology Enhanced - Math Formula	MA.7.EE.A.1	Apply properties of operations as strategies to add, subtract, factor, and expand linear expressions with rational coefficients.	MA.7.EE.A	1	C	autoscore	1
11	E261517	Multiple Choice	MA.7.EE.B	Solve real-life and mathematical problems using numerical and algebraic expressions and equations.	MA.7.EE.B	2	D, A	B	2
12	E261718	Multiple Correct Answer	MA.7.EE.B.3	Solve multi-step real-life and mathematical problems posed with positive and negative rational numbers in any form (whole numbers, fractions, and decimals), using tools strategically. Apply properties of operations to calculate with numbers in any form; convert between forms as appropriate; and assess the reasonableness of answers using mental computation and estimation strategies.	MA.7.EE.B	1	D	A, C	1
13	E171578	Multiple Choice	MA.7.EE.A.2	Understand that rewriting an expression in different forms in a problem context can shed light on the problem and how the quantities in it are related.	MA.7.EE.A	1	C	D	2
14	E261495	Technology Enhanced - Math Formula	MA.7.EE.B.4.a	Solve word problems leading to equations of the form px + q = r and p(x + q) = r, where p, q, and r are specific rational numbers. Solve equations of these forms fluently. Compare an algebraic solution to an arithmetic solution, identifying the sequence of the operations used in each approach.	MA.7.EE.B	1	D	autoscore	2
15	E261656	Multiple Choice	MA.7.EE.B.4	Use variables to represent quantities in a real-world or mathematical problem, and construct simple equations and inequalities to solve problems by reasoning about the quantities.	MA.7.EE.B	1	D	B	2

Totals (SBAC bp)		
	Claim 1	12
	Target C	*5*
	Target D	*7*
	Claim 2	1
	Claim 3	1
	Claim 4	1

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