

SBAC Block Mirror: Math Grade 7 The Number System (AE134320)

Item Number	Item ID	Item Type	Standard Abbreviation	Standard Text	Cluster	Claim	Target(s)	Correct Answer	DOK
1	E259455	Multiple Choice	MA.7.NS.A.2.a	Understand that multiplication is extended from fractions to rational numbers by requiring that operations continue to satisfy the properties of operations, particularly the distributive property, leading to products such as $(-1)(-1) = 1$ and the rules for multiplying signed numbers. Interpret products of rational numbers by describing real-world contexts.	MA.7.NS.A	1	B	C	2
2	E263342	Technology Enhanced - Math Formula	MA.7.NS.A.1.d	Apply properties of operations as strategies to add and subtract rational numbers.	MA.7.NS.A	1	B	autoscore	1
3	E263424	Multiple Correct Answer	MA.7.NS.A.2	Apply and extend previous understandings of multiplication and division and of fractions to multiply and divide rational numbers.	MA.7.NS.A	3	B, F	A, B, D	2
4	E263625	Technology Enhanced - Math Formula	MA.7.NS.A.2.d	Convert a rational number to a decimal using long division; know that the decimal form of a rational number terminates in 0s or eventually repeats.	MA.7.NS.A	1	B	autoscore	1
5	E263348	Technology Enhanced - Math Formula	MA.7.NS.A.3	Solve real-world and mathematical problems involving the four operations with rational numbers.	MA.7.NS.A	1	B	autoscore	2
6	E263337	Multiple Correct Answer	MA.7.NS.A.1.b	Understand $p + q$ as the number located a distance $ q $ from p , in the positive or negative direction depending on whether q is positive or negative. Show that a number and its opposite have a sum of 0 (are additive inverses). Interpret sums of rational numbers by describing real-world contexts.	MA.7.NS.A	1	B	A, C	1
7	E259436	Multiple Choice	MA.7.NS.A.2.c	Apply properties of operations as strategies to multiply and divide rational numbers.	MA.7.NS.A	1	B	B	1
8	E263350	Technology Enhanced - Math Formula	MA.7.NS.A	Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers.	MA.7.NS.A	4	A, D	autoscore	2
9	E263624	Technology Enhanced - Classification	MA.7.NS.A.2.b	Understand that integers can be divided, provided that the divisor is not zero, and every quotient of integers (with non-zero divisor) is a rational number. If p and q are integers, then $-(p/q) = (-p)/q = p/(-q)$. Interpret quotients of rational numbers by describing real-world contexts.	MA.7.NS.A	1	B	autoscore	2
10	E263347	Technology Enhanced - Math Formula	MA.7.NS.A.3	Solve real-world and mathematical problems involving the four operations with rational numbers.	MA.7.NS.A	1	B	autoscore	2
11	E263340	Multiple Correct Answer	MA.7.NS.A.1.c	Understand subtraction of rational numbers as adding the additive inverse, $p - q = p + (-q)$. Show that the distance between two rational numbers on the number line is the absolute value of their difference, and apply this principle in real-world contexts.	MA.7.NS.A	1	B	B, D	2
12	E263346	Technology Enhanced - Math Formula	MA.7.NS.A.2.c	Apply properties of operations as strategies to multiply and divide rational numbers.	MA.7.NS.A	1	B	autoscore	1
13	E263349	Multiple Choice	MA.7.NS.A.1	Apply and extend previous understandings of addition and subtraction to add and subtract rational numbers; represent addition and subtraction on a horizontal or vertical number line diagram.	MA.7.NS.A	3	D, A	C	2
14	E263338	Technology Enhanced - Number Line	MA.7.NS.A.1.b	Understand $p + q$ as the number located a distance $ q $ from p , in the positive or negative direction depending on whether q is positive or negative. Show that a number and its opposite have a sum of 0 (are additive inverses). Interpret sums of rational numbers by describing real-world contexts.	MA.7.NS.A	1	B	autoscore	2

Totals	Claim 1	11
(SBAC bp)	Claim 2	0
	Claim 3	2
	Claim 4	1