

**SBAC Block Mirror: Math Grade 5 Number and Operations - Fractions (AE129958)**

Item Number	Item ID	Item Type	Standard Abbreviation	Standard Text	Cluster	Claim	Target(s)	Correct Answer	DOK
1	E257948	Multiple Choice	MA.5.NF.A.1	Add and subtract fractions with unlike denominators (including mixed numbers) by replacing given fractions with equivalent fractions in such a way as to produce an equivalent sum or difference of fractions with like denominators.	MA.5.NF.A	1	E	C	1
2	E257955	Technology Enhanced - Math Formula	MA.5.NF.B.7.c	Solve real world problems involving division of unit fractions by non-zero whole numbers and division of whole numbers by unit fractions, e.g., by using visual fraction models and equations to represent the problem.	MA.5.NF.B	1	F	autoscore	1
3	E259979	Multiple Correct Answer	MA.5.NF.A.2	Solve word problems involving addition and subtraction of fractions referring to the same whole, including cases of unlike denominators, e.g., by using visual fraction models or equations to represent the problem. Use benchmark fractions and number sense of fractions to estimate mentally and assess the reasonableness of answers.	MA.5.NF.A	1	E	A, B, D	2
4	E235609	Technology Enhanced - Math Formula	MA.5.NF.B.3	Interpret a fraction as division of the numerator by the denominator ( $a/b = a \div b$ ). Solve word problems involving division of whole numbers leading to answers in the form of fractions or mixed numbers, e.g., by using visual fraction models or equations to represent the problem.	MA.5.NF.B	1	F	autoscore	2
5	E257961	Technology Enhanced - Cloze Association	MA.5.NF.A.2	Solve word problems involving addition and subtraction of fractions referring to the same whole, including cases of unlike denominators, e.g., by using visual fraction models or equations to represent the problem. Use benchmark fractions and number sense of fractions to estimate mentally and assess the reasonableness of answers.	MA.5.NF.A	3	B, A	autoscore	2
6	E257951	Multiple Choice	MA.5.NF.B.4.	Interpret the product $(a/b) \times q$ as a parts of a partition of $q$ into $b$ equal parts; equivalently, as the result of a sequence of operations $a \times q \div b$ .	MA.5.NF.B	2	B, A	C	2
7	E257954	Technology Enhanced - Cloze Association	MA.5.NF.B.6	Solve real world problems involving multiplication of fractions and mixed numbers, e.g., by using visual fraction models or equations to represent the problem.	MA.5.NF.B	1	F	autoscore	2
8	E257950	Multiple Choice	MA.5.NF.A.1	Add and subtract fractions with unlike denominators (including mixed numbers) by replacing given fractions with equivalent fractions in such a way as to produce an equivalent sum or difference of fractions with like denominators.	MA.5.NF.A	1	E	D	2
9	E235920	Technology Enhanced - Cloze Association	MA.5.NF.B.7.c	Solve real world problems involving division of unit fractions by non-zero whole numbers and division of whole numbers by unit fractions, e.g., by using visual fraction models and equations to represent the problem.	MA.5.NF.B	1	F	autoscore	2
10	E257565	Technology Enhanced - Classification	MA.5.NF.B.5	Interpret multiplication as scaling (resizing)	MA.5.NF.B	1	F	autoscore	2
11	E259980	Multiple Correct Answer	MA.5.NF.B.6	Solve real world problems involving multiplication of fractions and mixed numbers, e.g., by using visual fraction models or equations to represent the problem.	MA.5.NF.B	4	A, F	A, B, D	2
12	E257952	Technology Enhanced - Math Formula	MA.5.NF.B.4.	Find the area of a rectangle with fractional side lengths by tiling it with unit squares of the appropriate unit fraction side lengths, and show that the area is the same as would be found by multiplying the side lengths. Multiply fractional side lengths to find areas of rectangles, and represent fraction products as rectangular areas.	MA.5.NF.B	1	F	autoscore	2
13	E257949	Technology Enhanced - Cloze Association	MA.5.NF.B.3	Interpret a fraction as division of the numerator by the denominator ( $a/b = a \div b$ ). Solve word problems involving division of whole numbers leading to answers in the form of fractions or mixed numbers, e.g., by using visual fraction models or equations to represent the problem.	MA.5.NF.B	3	E, B	autoscore	1
14	E257963	Multiple Choice	MA.5.NF.A.2	Solve word problems involving addition and subtraction of fractions referring to the same whole, including cases of unlike denominators, e.g., by using visual fraction models or equations to represent the problem. Use benchmark fractions and number sense of fractions to estimate mentally and assess the reasonableness of answers.	MA.5.NF.A	1	E	A	2
15	E257962	Technology Enhanced - Cloze Association	MA.5.NF.A.1	Add and subtract fractions with unlike denominators (including mixed numbers) by replacing given fractions with equivalent fractions in such a way as to produce an equivalent sum or difference of fractions with like denominators.	MA.5.NF.A	1	E	autoscore	1

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