

Math Spring 2021
Grade 5
Alignment Document and Answer Key

Table 1: Grade 5 2021 Released Items

Sequence	UIN	Evidence Statement	Sub-Claim	Task Type	Points	Calculator	Functionality	2021 Online1 Form
1	M500539	5.G.4	B	1.1	1	N	MS	<input checked="" type="checkbox"/>
2	M500012	5.C.2-3	C	2.3	3	N	CR	<input checked="" type="checkbox"/>
3	M500459	5.OA.2-1	B	1.1	1	N	MC	<input checked="" type="checkbox"/>
4	M500028PD	5.D.2	D	3.6	6	N	MS, MC, CR	<input checked="" type="checkbox"/>
5	M01530	5.NF.4a-1	A	1.1	1	N	MS	<input checked="" type="checkbox"/>
6	M500376P	5.NF.7c	A	1.1	1	N	MC	<input checked="" type="checkbox"/>
7	M500350	5.MD.1-1	B	1.1	1	N	FIB	<input checked="" type="checkbox"/>
8	VH095272	5.G.3	B	1.1	1	N	MC	<input checked="" type="checkbox"/>
9	M500496	5.NBT.4	A	1.1	1	N	MC	<input checked="" type="checkbox"/>
10	M500544	5.MD.1-2	B	1.2	2	N	FIB	<input checked="" type="checkbox"/>

Sequence: The item order number as it appears in the released item set and answer key

UIN: A unique item number used to identify the item in the internal item bank

Evidence Statements: The evidence statement to which the item is aligned

Sub-Claims: The Sub-Claim to which the item is aligned

Task Type: Type I, II, or III. See the Informational Guides for more information

Functionality: MC – multiple choice; MS – multiple-select; FIB – fill-in-the-blank; CR – constructed response

Table 2: Grade 5 Released Item List with Answer Key

Sequence	Entity ID	Evidence Statement	Points	Answer Key
1	M500539	5.G.4	1	A, C
2	M500012	5.C.2-3	3	See Rubric
3	M500459	5.OA.2-1	1	D
4	M500028PD	5.D.2	6	Part A: A, F Part B: B Part C: See Rubric
5	M01530	5.NF.4a-1	1	C, E
6	M500376P	5.NF.7c	1	D
7	M500350	5.MD.1-1	1	700
8	VH095272	5.G.3	1	C
9	M500496	5.NBT.4	1	A
10	M500544	5.MD.1-2	2	7, 5

Item #2 M500012 Rubric

Score	Description
3	<p>Student response includes each of the following three elements:</p> <ul style="list-style-type: none"> • Computation = 1 point: Correct number of pounds of dirt in each flowerpot: $\frac{12}{8}$ or equivalent • Reasoning = 1 point: Valid explanation or work to determine how the pounds of dirt to go in each flowerpot • Reasoning = 1 point: Valid explanation of how to use multiplication to check the answer <p>Sample Student Response:</p> <p>Each flowerpot has $\frac{12}{8}$ pounds of dirt.</p> <p>Since the 12 pounds of dirt is divided into 8 groups, use $12 \div 8$ to find the number of pounds of dirt in each flowerpot.</p> <p>The equation $12 \div 8 = \frac{12}{8}$ can be written as the multiplication equation $\frac{12}{8} \times 8 = 12$. This can be used to solve the equation because there is a total of 12 pounds of dirt, and there are 8 flowerpots, each with the same amount of dirt. If 8 flowerpots each have $\frac{12}{8}$ pounds of dirt, then there are 8 groups of $\frac{12}{8}$, which equals 12.</p> <p>Or other valid response.</p>
2	Student response includes 2 of the above elements.
1	Student response includes 1 of the above elements.
0	The response is incorrect or irrelevant.

Item #4 M500028PD Rubric Part C

Score	Description
4	<p>Student response includes the following 4 elements:</p> <ul style="list-style-type: none"> • Modeling = 1 point: Valid explanation of how to adjust the recipe to make 30 servings of fruit salad • Modeling = 1 point: Valid explanation or work to find total amount of sugar needed for 30 servings, including correct computations • Modeling = 1 point: Valid explanation or work to find the total amount of juice needed for 30 servings, including correct computations • Modeling = 1 point: Valid explanation or work to find the total amount of fruit needed for 30 servings, including correct computations <p>Complete achievement of the goals of the task, the response is completely correct, and shows thorough understanding.</p> <p>Sample Student Response:</p> <p>The recipe makes 5 servings. To get 30 servings, the recipe would need to be used 6 times. I can multiply each item in the recipe by 6 to get the total amount of each item needed to make 30 servings.</p> <p>Sugar: $\frac{4}{8} \times 6 = \frac{24}{8} = 3$ cups</p> <p>Juices: $\frac{3}{8} + \frac{2}{8} = \frac{5}{8} \rightarrow \frac{5}{8} \times 6 = \frac{30}{8} = 3\frac{6}{8}$ cups</p> <p>Fruit: $\frac{3}{8} + 1 + \frac{7}{8} + 1\frac{1}{8} = 2\frac{11}{8} = 3\frac{3}{8}$</p> <p>$3\frac{3}{8} \times 6 = \frac{27}{8} \times 6 = \frac{162}{8} = 20\frac{2}{8}$ cups</p> <p>Note: Three correct computations, with no explanation or work shown, receives a score point of 1.</p>
3	<p>Student response demonstrates both general achievement of the goals of the task and a less than thorough understanding.</p>
2	<p>Student response demonstrates both limited achievement of the goals of the task and a limited understanding.</p>
1	<p>Student response demonstrates both minimal achievement of the goals of the task and a minimal understanding.</p>
0	<p>Student response does not achieve any goals of the task nor demonstrates any understanding.</p>