Math Spring 2021

Grade 6

Alignment Document and Answer Key

Table 1: Grade 6: 2021 Released Items

Sequence	UIN	Evidence Statement	Sub-Claim	Task Type	Points	Calculator	Functionality	2021 Online 1 Form
1	M600336	6.NS.4-2	B	1.1	1	N	MC	☑
2	M600339	6.NS.6b-1	A	1.1	1	N	MC	☑
3	M25404	6.RP.2	A	1.1	1	N	FIB	☑
4	M600435	6.SP.1	B	1.1	1	N	MC	☑
5	M600013	6.EE.5-1	A	1.1	1	Y	MC	☑
6	5064-M25389	6.C.9	C	2.4	4	Y	CR	☑
7	VH238413	6.RP.3c-1	A	1.1	1	Y	MC	☑
8	VH139064	6.D.1	D	3.3	3	Y	CR	☑
9	M600010	6.EE.2c-1	A	1.1	1	Y	FIB	☑
10	5151-M25906	6.G.1	B	1.2	2	Y	FIB, MC	☑

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 6: Released Item List with Answer Key

Sequence	UIN	Evidence Statement	Points	Answer Key
1	M600336	6.NS.4-2	1	**C**
2	M600339	6.NS.6b-1	1	**B**
3	M25404	6.RP.2	1	**36**
4	M600435	6.SP.1	1	**D**
5	M600013	6.EE.5-1	1	**D**
6	5064-M25389	6.C.9	4	**See Rubric**
7	VH238413	6.RP.3c-1	1	**B**
8	VH139064	6.D.1	3	**See Rubric**
9	M600010	6.EE.2c-1	1	**14**
10	5151-M25906	6.G.1	2	**Part A: 225; Part B: C**

Item #6 5064_M25389 Rubric - Part A	
Score	**Description**
2	Student response includes each of the following 2 elements: • Valid identification of the error or errors in the student's expression • Correctly writes 604.29 in expanded form, $(6 \times 100) + (4 \times 1) + \left(2 \times \frac{1}{10}\right) + \left(9 \times \frac{1}{100}\right)$ or $(6 \times 100) + (4 \times 1) + (2 \times 0.1) + (9 \times 0.01)$ **Sample Student Response:** The student does not consider that 604.29 has a 0 in the tens place, and, as a result, multiplies 4, 2, and 9 by a power of ten that is one power too large. The correct way to write 604.29 in expanded form is $(6 \times 100) + (4 \times 1) + \left(2 \times \frac{1}{10}\right) + \left(9 \times \frac{1}{100}\right)$. Or other valid response.
1	Student response includes 1 of the 2 elements.
0	Student response is incorrect or irrelevant.

Item #6 5064-M25389 Rubric - Part B	
Score	**Description**
2	Student response includes each of the following 2 elements: • Valid reasoning for why the student's subtraction result is correct • Correct difference, rounded to nearest tenth is 604.3 **Sample Student Response:** The student's result from the subtraction is correct. The decimal number that corresponds to $(6 \times 100) + (4 \times 10) + (2 \times 1) + \left(9 \times \frac{1}{10}\right)$ is 642.9. The decimal number that corresponds to $(3 \times 10) + (8 \times 1) + \left(6 \times \frac{1}{10}\right) + \left(1 \times \frac{1}{100}\right)$ is 38.61. Subtracting 38.61 from 642.9, I get $642.9 - 38.61 = 604.29$. 604.29 rounded to the nearest tenth is 604.3. Or other valid response.
1	Student response includes 1 of the 2 elements.
0	The response is incorrect or irrelevant.

Item #8 VH139064 Rubric	
Score	**Description**
3	This task has 2 scoring elements: Computation and Modeling. **Computation:** worth 1 point. • The student response shows $1.40 or other values supported by the modeling. **Modeling**: **complete** worth 2 points, **partial** worth 1 point. • The student response correctly shows the steps for calculating the exact amount of money needed to park for 1 hour and 24 minutes. For example, "Four quarters provides 60 minutes or 1 hour of time. Another quarter would provide 15 more minutes, one dime would provide 6 more minutes, and one nickel would provide 3 minutes. This would provide a total of 15 + 6 + 3 = 24 minutes. This would be a total of 1 hour and 24 minutes." **Note**: Student response may show or explain other strategies to calculate the exact amount of money needed to park 1 for hour and 24 minutes. **Notes**: This modeling element is worth 2 points for a completely correct process, or worth 1 point for a partially correct process. This element is not dependent on correct computation and can be earned with one or more computational errors resulting in incorrect answers. The student response may earn a total of 1 point if he or she computes the correct answer but shows no work or insufficient work to indicate a correct modeling process. The student response cannot earn more than 1 point for modeling if the explanation is sufficient to indicate a correct modeling process but contain nonsense statements. **Task Score:** The task score is the sum of the points earned in each element.
2	Student response includes 2 of the 3 elements.
1	Student response includes 1 of the 3 elements.
0	Student response is incorrect or irrelevant.