

## New Question Type Samplers — Grade 8 Math Answer Key

Item Position	Item Type	TEKS Alignment	Maximum Number of Points	Correct Answer(s)
1	Equation Editor	2.8.8.A	1	2.25, 1.5, 9 $2.25x > 1.5x + 9$
2	Equation Editor	2.8.5.I	1	$C = 10.50h + 76.50$
3	Equation Editor	4.8.12.D	1	1,462.50
4	Equation Editor	3.8.7.C	1	17
5	Graphing	2.8.4.B	1	Any 2 points that would be on the line $y = 0.4x$ such as (5, 2) and (10, 4)
6	Graphing	2.8.5.B	1	Any 2 points that would be on the line $y = \frac{1}{2}x - 5$ such as (0, -5) and (2, -4)
7	Inline Choice	4.8.11.A	2	Increase, positive, linear
8	Inline Choice	3.8.10.A	2	Not equal, congruent
9	Hot Spot	2.8.5.F	2	(0, 0) and (6, 9)
10	Hot Spot	1.8.2.B	2	4 and 5
11	Drag and Drop	1.8.2.D	1	$-2\pi, -6.25, \frac{67}{10}, 3\sqrt{5}, 6\frac{3}{4}$
12	Drag and Drop	3.8.10.C	2	$x - 8$ and $y + 4$
13	Match Table Grid	3.8.10.A	2	Dilation: orientation of the vertices Reflection: side lengths
14	Match Table Grid	1.8.2.A	2	$\sqrt{3}$ : irrational number $\sqrt{9}$ : rational number
15	Multiselect	3.8.10.B	2	B: $(x, y) \rightarrow (x + 7, y - 8)$ D: A reflection of the triangle across the x-axis.
16	Multiselect	2.8.5.G	2	D: $\{(0, 0), (-1, -0.5), (-2, -1), (-3, -1.5), (-4, -2)\}$ E: $\{(0, 0), (1, 3), (2, 6), (3, 9), (4, 12)\}$