

Grid-in Item Response Type

One of the item types that exist on the paper versions of the math AzMERIT tests are grid-in response items.

	/	/	/	/	/	
.
0	0	0	0	0	0	0
1	1	1	1	1	1	1
2	2	2	2	2	2	2
3	3	3	3	3	3	3
4	4	4	4	4	4	4
5	5	5	5	5	5	5
6	6	6	6	6	6	6
7	7	7	7	7	7	7
8	8	8	8	8	8	8
9	9	9	9	9	9	9

Consider the following things when entering responses for equation items:

- The item's response grid looks slightly different at different grade levels, but the general response area looks like the following images showing sample responses to the question above.

Sample Responses to Equation Item

2	/	8				
	/	/	/	/	/	
.
0	0	0	0	0	0	0
1	1	1	1	1	1	1
2	2	2	2	2	2	2
3	3	3	3	3	3	3
4	4	4	4	4	4	4
5	5	5	5	5	5	5
6	6	6	6	6	6	6
7	7	7	7	7	7	7
8	8	8	8	8	8	8
9	9	9	9	9	9	9

			2	/	8	
	/	/	/	/	/	
.
0	0	0	0	0	0	0
1	1	1	1	1	1	1
2	2	2	2	2	2	2
3	3	3	3	3	3	3
4	4	4	4	4	4	4
5	5	5	5	5	5	5
6	6	6	6	6	6	6
7	7	7	7	7	7	7
8	8	8	8	8	8	8
9	9	9	9	9	9	9

		2	/	8		
	/	/	/	/	/	
.
0	0	0	0	0	0	0
1	1	1	1	1	1	1
2	2	2	2	2	2	2
3	3	3	3	3	3	3
4	4	4	4	4	4	4
5	5	5	5	5	5	5
6	6	6	6	6	6	6
7	7	7	7	7	7	7
8	8	8	8	8	8	8
9	9	9	9	9	9	9

- On these response grids, blanks are generally ignored. This means that students can left or right justify their response, or place it somewhere in the middle.
- The purpose of the boxes above the grid are an aid to bubbling but are not scored.
- Only one bubble per column is permitted; any response with more than one bubble in a column is marked as incorrect.
- Students can enter a response as a mixed number or decimal to indicate the solution. In the following example where the correct response is $1 \frac{1}{2}$, all of these responses would be scored as correct.

1	1	/	2		
	/	/	●	/	/
.
0	0	0	0	0	0
●	1	●	1	1	1
2	2	2	2	●	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

3	/	2			
	●	/	/	/	/
.
0	0	0	0	0	0
1	1	1	1	1	1
2	2	●	2	2	2
●	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

1	.	5			
	/	/	/	/	/
.	●
0	0	0	0	0	0
●	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	●	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

Note that in the first example (that of the mixed number) the space between the ones is important. Without this space, the response would be scored as eleven-halves. Again, in any of these three shown responses, it does not matter which column the student chooses to begin their response.