



Grid-in Item Response Type

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

-	-	-	-	-	-	-	-
	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	
•	•	•	•	•	•	•	•
0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9

Consider the following things when entering responses for equation items:

- 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 fraction, mixed number, or decimal to indicate the solution. The first example shows the correct response of $\frac{2}{3}$. The second example shows the correct response of $2\frac{1}{2}$, all these responses would be scored as correct.

Sample Responses to Equation Item

2	/	3				
-	-	-	-	-	-	-
		/	/	/	/	
•	•	•	•	•	•	•
0	0	0	0	0	0	0
1	1	1	1	1	1	1
•	2	2	2	2	2	2
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	/	3
-	-	-	-	-	-	-
	/	/	/	/	•	
•	•	•	•	•	•	•
0	0	0	0	0	0	0
1	1	1	1	1	1	1
2	2	2	2	•	2	2
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	/	3		
-	-	-	-	-	-	-
	/	/	•	/	/	
•	•	•	•	•	•	•
0	0	0	0	0	0	0
1	1	1	1	1	1	1
2	2	•	2	2	2	2
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

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

2		1	/	2		
-	-	-	-	-	-	-
	/	/	•	/	/	
•	•	•	•	•	•	•
0	0	0	0	0	0	0
1	1	•	1	1	1	1
•	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

5	/	2				
-	-	-	-	-	-	-
	•	/	/	/	/	
•	•	•	•	•	•	•
0	0	0	0	0	0	0
1	1	1	1	1	1	1
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
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	.	5				
-	-	-	-	-	-	-
	/	/	/	/	/	
•	•	•	•	•	•	•
0	0	0	0	0	0	0
1	1	1	1	1	1	1
•	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
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