

## Directions for Completing Grade 7 or Grade 8 FSA Mathematics Paper-Based Items

Test administrators or other school staff may use this handout, along with the accompanying script (available on the FSA Portal), to administer paper-based test item practice sessions to students prior to testing. Students may also access this handout on the portal to practice on their own.

The purpose of this handout is to orient test administrators and students to the possible types of test items that **may** appear on the paper-based Grade 7 or Grade 8 FSA Mathematics assessment.

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- 1) For **multiple-choice items**, choose the best answer from the answer choices, and fill in **one** bubble for the correct answer. Fill in the bubble by making a solid mark that completely fills the circle.

### Example 1:

What is 78 rounded to the nearest ten?

- (A) 70
- (B) 75
- (C) 80
- (D) 100

- 2) For **multiselect items**, choose more than one correct answer from the answer choices, and fill in the bubbles for more than one correct answer. Be sure to read the item carefully.

### Example 2:

Select all the expressions that have the same value as  $30 \div 10$ .

- (A)  $1 \times 3$
- (B)  $10 \div 30$
- (C)  $30 \times 10$
- (D)  $30 \div 10 \div 1$
- (E)  $30 \div (2 \div 5)$
- (F)  $(30 \div 2) \div 5$

- 3) For **table match items**, you will use the information in the table to provide your answer. You will be required to match the information from each row to the corresponding column or columns. Read the directions carefully to understand how to respond to the item. Fill in the bubble or bubbles based on the instructions to respond to this item type.

**Example 3:**

Select the value of each decimal number when it is rounded to the nearest whole number.

	5	6
5.06	(A)	(B)
5.53	(C)	(D)
5.92	(E)	(F)
5.47	(G)	(H)

- 4) For **editing task items**, choose the correct answer choice to fill in each blank in a sentence or sentences. For each blank, fill in the bubble before the correct response. If you write your answer in the blank but do not fill in the bubble, your answer will not be scored. Be sure to respond to each of the editing task blanks or boxes in the item.

**Example 4A:**

The manager should offer \_\_\_\_\_ [ (A) mint (B) strawberry ] ice cream because \_\_\_\_\_ [ (A) 65% (B) 40% (C) 49% (D) 32% ] of the customers surveyed like mint and \_\_\_\_\_ [ (A) 71% (B) 60% (C) 51% (D) 43% ] of the customers like strawberry.

**Example 4B:**

Complete the sentence about the relationship between the amount of snowfall and the number of hours. For each blank, fill in the circle **before** the word or phrase that is correct.

According to the table, the amount of snowfall

- Ⓐ is proportional  
Ⓑ is not proportional

to the number of hours because snow

- Ⓐ is present  
Ⓑ is not present

on the ground

before the snowstorm and the snowfall

- Ⓐ stays the same amount  
Ⓑ increases by the same amount  
Ⓒ increases by different amounts

each hour.

- 5) Some items will require you to write your answer in a **response grid** and then fill in the corresponding bubbles. Follow the steps below to complete a response grid:
1. Work the problem and find an answer.
  2. Write your answer in the answer boxes at the top of the grid.
    - Write your answer with the first digit in the left answer box OR with the last digit in the right answer box.
    - Write only one digit or symbol in each answer box. Do NOT leave a blank answer box in the middle of an answer.
    - Be sure to write a decimal point, negative sign, or fraction bar in the answer box if it is a part of the answer.
  3. Fill in a bubble under each box in which you wrote your answer.
    - Fill in one and ONLY one bubble for each answer box. Do NOT fill in a bubble under an unused answer box.
    - Fill in each bubble by making a solid mark that completely fills the circle.
    - You MUST fill in the bubbles accurately to receive credit for your answer.

-	-	-	-	-	-	-
/	/	/	/	/	/	/
.	.	.	.	.	.	.
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

} Answer boxes  
 } Negative sign  
 } Fraction bar  
 } Decimal point  
 } Number bubbles

When a percent is required to answer a question, do NOT convert the percent to its decimal or fractional equivalent. Grid the percent value without the % symbol. Do the same with dollar amounts.

-	1	1				
●	-	-	-	-	-	-
/	/	/	/	/	/	/
.	.	.	.	.	.	.
0	0	0	0	0	0	0
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

		-	6	.	7	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
7	7	7	7	7	●	7
8	8	8	8	8	8	●
9	9	9	9	9	9	9

2	5	.	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
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

				1	3	6
-	-	-	-	-	-	-
/	/	/	/	/	/	/
.	.	.	.	.	.	.
0	0	0	0	0	0	0
1	1	1	1	●	1	1
2	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	●
7	7	7	7	7	7	7
8	8	8	8	8	8	8
9	9	9	9	9	9	9

Do NOT write a mixed number, such as  $13\frac{1}{4}$ , in the answer boxes. Change the mixed number to an equivalent fraction, such as  $\frac{53}{4}$ , or to an equivalent decimal, such as 13.25. Do not try to fill in  $13\frac{1}{4}$ , as it would be read as  $\frac{131}{4}$  and would be counted wrong.

**CORRECT**

5	3	/	4		
-	-	-	-	-	-
/	•	/	/	/	
•	•	•	•	•	•
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	•	3	3	3	3
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

OR

1	3	.	2	5	
-	-	-	-	-	-
/	/	/	/	/	
•	•	•	•	•	•
0	0	0	0	0	0
•	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
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

**INCORRECT**

1	3	1	/	4	
-	-	-	-	-	-
/	/	•	/	/	
•	•	•	•	•	•
0	0	0	0	0	0
•	1	•	1	1	1
2	2	2	2	2	2
3	•	3	3	3	3
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

**Example 5:**

Dominic is buying candy by the pound for a party. For every 10 pounds of candy he buys, he pays \$12.

What is the cost, per pound, for the candy?

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