



Smarter Balanced Assessment Consortium: Practice Test Scoring Guide Grade 5 Braille Performance Task

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COMMUNITY GARDEN

Your class is going to plant vegetables in a section of the local community garden. The garden manager has provided an area to plant the vegetables as follows:

The total area for the class to plant vegetables will be a rectangle 40 feet long and 30 feet wide.

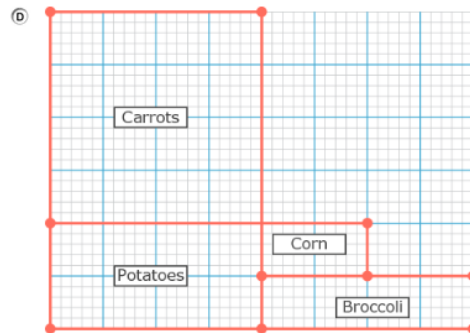
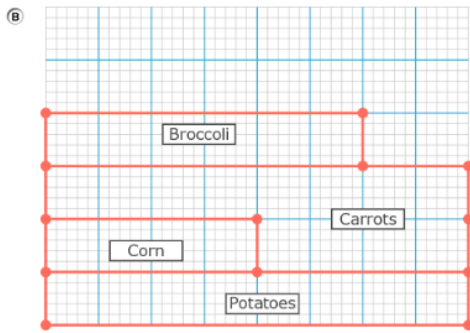
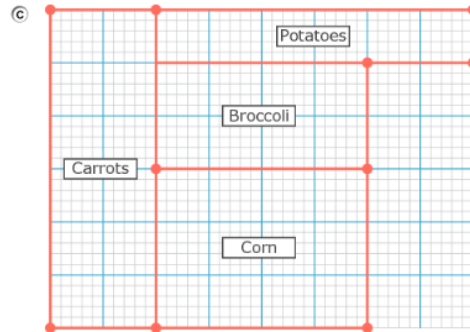
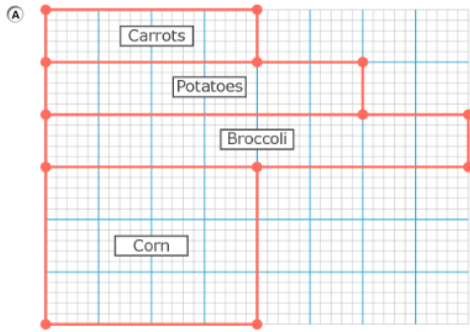
The class has decided to plant four rectangular sections of the class garden with vegetables according to this plan:

- **$\frac{1}{4}$ of the garden will be planted with carrots.**
- **$\frac{1}{6}$ of the garden will be planted with potatoes.**
- **$\frac{1}{8}$ of the garden will be planted with broccoli.**
- **$\frac{1}{12}$ of the garden will be planted with corn.**

In this task, you will analyze the class plan and determine an alternate plan that will help make the most use of the available area.

1.

Which model of the garden represents four rectangular sections for planting vegetables according to the class plan?
Each square on the model represents 1 square foot.



For this item, a full-credit response (1 point) includes

- option B.

2.

Think about the class plan for the garden plot. What fraction of the garden plot will be left over after the class plants their vegetables?

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4	5	6	<	≤	=	≥	>				
7	8	9	$\frac{\square}{\square}$								
0	.										

For this item, a full-credit response (1 point) includes

- $\frac{3}{8}$
OR
- any equivalent fraction.

For this item, a no-credit response (0 points) includes none of the features of a full-credit response.

3.

Your class has decided to plant potatoes in the unused portion of the garden plot.

Part A

What total fraction of the class garden will be planted with potatoes?
Remember that $\frac{1}{6}$ of the garden is already planned for potatoes.

Enter your response in the first response box.

Part B

How many total square feet of the class garden plot will be planted with potatoes?

Enter your response in the second response box.

<div style="border: 1px solid #ccc; padding: 5px;"> <div style="border-bottom: 1px solid #ccc; margin-bottom: 5px;"> ← → ↶ ↷ ✖ </div> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>1</td><td>2</td><td>3</td><td>+</td><td>-</td><td>×</td><td>÷</td></tr> <tr> <td>4</td><td>5</td><td>6</td><td><</td><td>≤</td><td>=</td><td>≥</td><td>></td></tr> <tr> <td>7</td><td>8</td><td>9</td><td>$\frac{\square}{\square}$</td><td colspan="3"></td></tr> <tr> <td>0</td><td>.</td><td colspan="5"></td></tr> </table> </div>										1	2	3	+	-	×	÷	4	5	6	<	≤	=	≥	>	7	8	9	$\frac{\square}{\square}$				0	.					
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For this item, a full-credit response (2 points) includes

- $\frac{13}{24}$
AND
- 650.

For this item, a partial-credit response (1 point) includes

- $\frac{13}{24}$
OR
- 650 or total square feet consistent with an error in Part A

For this item, a no-credit response (0 points) includes none of the features of a full- or partial-credit response.

4.

Using the new plan with more potatoes, write an equation to show that the **total area** of the class's garden is used to grow vegetables. Make sure the equation shows that the sum of the areas, in square feet, of each section equals the total area of the class's garden.

- Carrots
- Potatoes
- Broccoli
- Corn

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1	2	3	+	-	x	÷			
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7	8	9	$\frac{\square}{\square}$	\square^\square	()				
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For this item, a full-credit response (2 points) includes

- writing the correct sum: $300 + 650 + 150 + 100$
AND
- writing the correct sum as an equation.

For example,

- $300 + 650 + 150 + 100 = 1200$

Continued on next page

For this item, a partial-credit response (1 point) includes

- writing the correct sum without using an equation
OR
- writing an incorrect sum, but using an equation.

For example,

- $300 + 650 + 150 + 100$
OR
- $200 + 300 + 600 = 1100$

For this item, a no-credit response (0 points) includes none of the features of a full- or partial-credit response.