

# MeTEOR Performance Task

## Algebra I

Mathematics  
*Systems with Food*

### Main Food

KIDS BREAKFAST.....\$0.36

Lorem Ipsum is simply dummy text of the printing and typesetting industry.

KIDS BREAKFAST

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### Desserts

KIDS BREAKFAST.....\$0.36

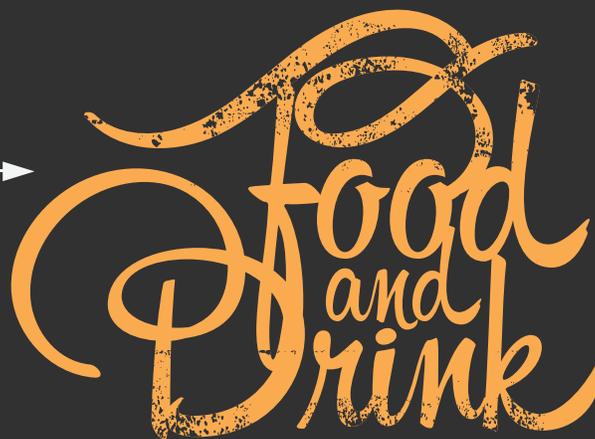
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KIDS BREAKFAST

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MENU RESTAURANT

### Sweet Food

KIDS BREAKFAST.....\$0.36

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### Hot Drinks and Juices

KIDS BREAKFAST.....\$0.36

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KIDS BREAKFAST.....\$0.36

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### Recommended Menu

Obtain a signed certificate. Obtaining a signed certificate involves creating a certificate signing request (CSR) and sending it to a CA in accordance with the CA's policy, and then conducting some checks on your company key, and sends you a validated certificate. See the instructions provided by the CA for more details.



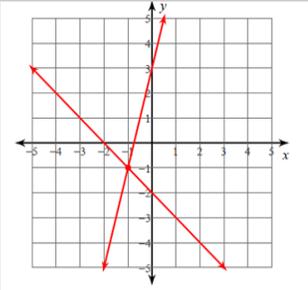
CONNECTING THE DOTS

Lorem ipsum dolor sit amet

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## Complete Performance Task Scoring Rubric Systems with Food

18-20 Proficient 16-17 Good 14-15 Satisfactory 12-13 Poor 0-11 Unsatisfactory

	Depth of Knowledge Level	Points	Total Possible Points for Task	Total Points Earned by Student
<p><b>Task 1:</b></p> <p>A. A sentence (such as <math>x + 3 = 5</math>) which says that one expression is equal to another expression.</p> <p>B. A system of equations is two or more equations with the same variables.</p> <p>C. A solution of a system of equations is an ordered pair that satisfies all the equations in the system.</p> <p>D. <math>x = 4</math>   <math>x = -7</math>   <math>x = 48</math>  <math>(2, 4)</math>   <math>(2, 7)</math></p> <p>E. <math>32^\circ</math></p>	<b>1</b>	<b>1</b>  <b>1</b>  <b>1</b>  <b>2</b>  <b>1</b>	<b>6</b>	
<p><b>Task 2:</b></p> <p>A. <math>y = 4x + 3</math>  <math>y = -x - 2</math></p> <p>B. Graphed</p>  <p>C. Solution: <math>(-1, -1)</math></p>	<b>1</b>	<b>2</b>  <b>1</b>  <b>1</b>	<b>4</b>	

<p><b>Task 3:</b></p> <p>A. <math>3x + 2y</math> <math>5x + 4y</math></p> <p>B. \$5.25 \$9.25</p> <p>C. Chalupa = \$2.20 each Taco = \$1.48 each</p> <p>D. Answers will vary. Possible Explanation: “I know using two equations with two variables is a system. Since I know how many chalupas and tacos are in each dinner along with the prices of each dinner, I can use several ways to solve – either by using substitution, elimination or graphing. I used the elimination method to find out the price of a taco. Then, I substituted the value into the equation to solve for the cost of the chalupa.”</p>	<p><b>2</b></p>	<p><b>1</b></p> <p><b>1</b></p> <p><b>1</b></p> <p><b>2</b></p>	<p><b>5</b></p>	
<p><b>Task 4:</b></p> <p>A. <math>x + y = 24</math> <math>\\$1.50x + \\$1.10y = \\$33.60</math></p> <p>B. (18, 6)</p> <p>C. Answers will vary. Possible Explanation: “If There were 23 people plus the retired officer that would make a total of 24 people getting hamburgers and hotdogs. The retired officer collected \$32.10, but tossed in an addition \$1.50 for his hamburger. That gave him a new total of \$33.60. Since there are two equations and two variables, this is a system of equations that can be set up and solved. While there are several methods in solving</p>	<p><b>3</b></p>	<p><b>2</b></p> <p><b>1</b></p> <p><b>2</b></p>	<p><b>5</b></p>	

this problem, I chose the elimination method. I set up the system and solved by finding out the number of hotdogs to be purchased first. Then, I was able to substitute that number into the equation to solve for the number of hamburgers purchased.”				
<b>TOTAL POINTS:</b>				



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