

Name ANSWER KEY School Team _____

Event 5: Team Problems (with calculators)

7th/8th grade Math Meet '08

Problem 3: Cafeteria Combos

You and your friends like to eat the same food at the school cafeteria, but you tend to get different amounts of the items you buy. From the totals of each order, determine the price of each food item.

1)	<u>Individual Price</u>	<u>Food item</u>	<u>Order 1</u>	<u>Order 2</u>	<u>Order 3</u>
1 pt. each	<u>\$ 1.50</u>	Slice of cheese pizza	1	2	2
	<u>\$ 2.10</u>	Small salad	1	1	1
	<u>\$ 0.85</u>	Brownie	1	1	2
			<hr/>		
		Total	\$4.45	\$5.95	\$6.80
2)	<u>Individual Price</u>	<u>Food item</u>	<u>Order 1</u>	<u>Order 2</u>	<u>Order 3</u>
2 pts. each	<u>\$ 0.75</u>	Taco	3	2	3
	<u>\$ 1.25</u>	Big bag of chips	1	1	2
	<u>\$ 0.35</u>	Banana	1	2	2
			<hr/>		
		Total	\$3.85	\$3.45	\$5.45

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3)	<u>Individual Price</u>	<u>Food item</u>	<u>Order 1</u>	<u>Order 2</u>	<u>Order 3</u>	<u>Order 4</u>
2 pts. each	<u>\$ 1.80</u>	Slice of veggie pizza	1	3	2	1
	<u>\$ 1.10</u>	Bowl of soup	1	1	2	1
	<u>\$ 0.50</u>	Orange	1	1	1	2
	<u>\$ 0.30</u>	Cookie	1	2	2	3
		Total	\$3.70	\$7.60	\$6.90	\$4.80
4)	<u>Individual Price</u>	<u>Food item</u>	<u>Order 1</u>	<u>Order 2</u>	<u>Order 3</u>	<u>Order 4</u>
2 pts. each	<u>\$ 0.80</u>	Mini cheeseburger	2	4	3	4
	<u>\$ 0.70</u>	Small bag of chips	1	2	2	1
	<u>\$ 0.45</u>	Apple	1	1	2	2
	<u>\$ 1.00</u>	Ice cream sandwich	1	2	1	2
		Total	\$3.75	\$7.05	\$5.70	\$6.80