Name _____   Date_____

Comparison Shopping—Unit Price and Related Measurement Conversions

Value Grocery Mart and Market City are both having a sale on the same popular crackers. McKayla is trying to determine which sale is the better deal. Using the given table and equation, determine which store has the better deal on crackers? Explain your reasoning. (Remember to round your answers to the nearest penny.)

Value Grocery Mart:

Number of Boxes of Crackers	3	6	9	12
Cost (in dollars)	5	10	15	20

Market City:

$c = 1.75b$, where c represents the cost in dollars and b represents the number of boxes of crackers

The table below shows the amount of money Gabe earns working at a coffee shop.

Number of Hours Worked	3	6	9	12
Money Earned (in dollars)	40.50	81.00	121.50	162.00

1. How much does Gabe earn per hour?

2. Jordan is another employee at the same coffee shop. He has worked there longer than Gabe and earns $3 more per hour than Gabe. Complete the table below to show how much Jordan earns.

Number of Hours Worked	4	8	12	16
Money Earned (in dollars)				

3. Serena is the manager of the coffee shop. The amount of money she earns is represented by the equation: $m = 21h$, where h is the number of hours Serena works and m is the amount of money she earns. How much more money does Serena make an hour than Gabe? Explain your thinking.

4. Last month, Jordan received a promotion and became a manager. He now earns the same amount as Serena. How much more money does he earn per hour now that he is a manager than he did before his promotion? Explain your thinking.

Value Grocery Mart and Market City are both having a sale on the same popular crackers. McKayla is trying to determine which sale is the better deal. Using the given table and equation, determine which store has the better deal on crackers. Explain your reasoning. (Remember to round your answers to the nearest penny.)

Value Grocery Mart:

Number of Boxes of Crackers	3	6	9	12
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Market City:

$c = 1.75b$, where c represents the cost in dollars and b represents the number of boxes of crackers

Value Grocery Mart is better because one box of crackers would cost $\$1.67$. One box of crackers at Market City would cost $\$1.75$, which is a little more expensive than Value Grocery Mart.

The table below shows the amount of money Gabe earns working at a coffee shop.

Number of Hours Worked	3	6	9	12
Money Earned (in dollars)	40.50	81.00	121.50	162.00

1. How much does Gabe earn per hour?

    Gabe earns $\$13.50$ per hour.

2. Jordan is another employee at the same coffee shop. He has worked there longer than Gabe and earns $\$3$ more per hour than Gabe. Complete the table below to show how much Jordan earns.

Hours Worked	4	8	12	16
Money Earned (in dollars)	66	132	198	264

3. Serena is the manager of the coffee shop. The amount of money she earns is represented by the equation: $m = 21h$, where h is the number of hours Serena works and m is the amount of money she earns. How much more money does Serena make an hour than Gabe? Explain your thinking.

    $21 - 13.5 = 7.50$ Serena makes $\$7.50$ per hour more than Gabe.

4. Last month, Jordan received a promotion and became a manager. He now earns the same amount as Serena. How much more money does he earn per hour now that he is a manager than he did before his promotion? Explain your thinking.

    Jordan now makes the same amount as Serena, which is $\$21$ an hour. Jordan previously made $\$16.50$ an hour, so $21 - 16.50 = \$4.50$. Therefore, Jordan will make an additional $\$4.50$ an hour now that he is a manager.