**Party Time!: Using Unit Rates to Throw the Sickest Party**

***Directions***: You are about to throw the coolest party on the block. But first, you have to go out and make sure you have everything you need to make sure people come! You have a list, you’ve checked it twice, and now it is time to figure out where to buy everything! Use unit rates to help you conquer this challenge.

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| --- | --- | --- | --- |
| Name of Item | First Store | Second Store | Your Pick |
| Fancy New TV to Play Awesome Music Videos. | Target – 40 inch for $119 | Amazon – 32 inch for $79  |  |
| Family Sized Doritos | Walmart – 32 oz for $2.50 | Harris Teeter – 40 oz for $2.75 |  |
| Coca-Cola Products | Publix – 12 pack of 12oz cans for $3.99 | Target – 6 pack of 20oz bottles for $3.50 |  |
| Delicious Carrot Cakes | Harris Teeter – 48oz of cake for $12.75 | Publix – 64oz of cake for $15.50 |  |

**Unit Rate Word Problem Practice:**

Directions: Solve each problem by finding the unit rate. All work must be shown.

1. Sophia is building a fence around her eggplant garden which is in the shape of a rectangle with a

length of 20 feet and a width of 40 feet. She completed the fencing in 12 hours. What was the rate that

she put up the fencing in feet per hour?

2. Mr. Z is starting up a window washing business to help out his financial issues. He washes $10\frac{1}{2}$ windows in $\frac{3}{4}$ hour. At this rate, how many windows can Mr. Z wash in one hour?

3. While driving on the highway, Amith averages 60 miles per hour. In the city, he averages 30 miles per hour. On a trip to his grandmother's house, Amith drove $2\frac{3}{5}$ hours on the highway and $1\frac{1}{5}$ hours in the city. What was Dave's average speed for the entire trip, in miles per hour?