

Name _____ Date _____

Applied Math: The Game of LIFE

During this project, you will be playing the game of life in the real world. You will use your math knowledge in addition to what is out of your control to budget, shop, save, and pay your “bills.”

You will roll a dice to randomly assign what you get below. These will impact how you budget, spend, shop, and save for this entire project. There will be random days when you will roll the dice to see if a random accident or a bonus, stipend, or lottery winning comes your way (Random Luck). Good luck, life is not always what you expect.

Profession		
Salary		
Number of kids		
House or Apartment		
Car		
Random Luck		
Random Luck		
Random Luck		
Random Luck		

<u>Profession:</u>	<u>Salary:</u>	<u>Kids:</u>	<u>House</u>	<u>Apartment</u>	<u>Car</u>
Teacher	\$42,901	0	\$500	\$521	\$100
Electrician	\$37,410	1	\$750	\$580	\$250
Radiology Technician	\$43,500	2	\$1000	\$734	\$375
Lineman	\$57,500	3	\$1250	\$913	\$400
Factory Employee	\$27,500	2	\$1300	\$1,026	\$225
Service Industry	\$27,560	1	\$1500	\$1,229	\$175

Random Luck

- Night School Pay: \$10,000
- Got Fired, pick a new salary
- Pay Day (20)
- Sell your house and get a new one or change apartment
- Get Married pay: \$15,000
- Win Fishing Contest Earn \$2,500
- Win lottery: Earn \$500
- Sick Child: If you have none you earn \$500, otherwise you pay \$100 each
- Pay Taxes: \$1500
- Earn promotion: \$1,000

Grocery Shopping: (5 – 15%) Due to lack of ability and reliability on convenience, all of your grocery needs will be purchased online. You may choose which store you shop from, but you will need to purchase the list of items below. To show you are doing your due diligence and not spending more money than necessary you need to pick three items that you compared at three different locations and pick the best one.

Write the three stores you shopped online up top. Write the price under that store. When you have more than one type, list what you purchased under the name. For the three items that you compared at three different locations, include an image of the item with the price. Also include the three links.

Three Stores			
Milk			
Eggs			
Bread			
Butter			
Lunch meat			
2 types of cheese			
Cereal			
Salad			
2 types of Fruit			
3 types of vegetables			
1 type of meat (chicken, beef, ham, or fish)			
Box of pasta			
Can of pasta sauce			
Box of cookies			
Random Item your choice			
Total Bill at each store			
Total Bill			

First item comparison

Image:

link:

Second item comparison

Image:

link:

Third item comparison

Image:

link:

Necessity Restock: (Clothing & Personal: 12 – 17%) It is that time again, you have run out of everyday essentials. This is a onetime purchase unlike your groceries from above. Compare three items again at three different locations online. Fill in the table below with the necessary details. Be sure to include store names, prices, and brand when you had different options below the name of the item.

Three Stores			
Laundry detergent			
Toothpaste			
Toilet paper			
Paper towels			
Tissues			
Shampoo & Conditioner			
Soap (bar or liquid)			
Running shoes			
Socks			
Underwear/panties			
One pair of jeans			
One jacket			
Bath towel			
Deodorant			
Cologne/Perfume			
Total Bill at each store			
Total Bill			

First item comparison

Image:

link:

Second item comparison

Image:

link:

Third item comparison

Image:

link:

Friends: (5 – 10%) Your friends say you have been too busy for them. You agree to hang out with them for one full Saturday evening to have fun, and not lose your friends. Below is the plan they came up with. Now I need you know to know the cost of the one evening with friends.

25 gallons of gas

Price: _____ Location: _____ Date: _____

Dinner out

Location: _____

Entrée: _____ Price: _____

Drink: _____ Price: _____

Bill of food and drink: _____ 20% tip: _____

Total bill with tip: _____

2 Adult Evening Movie Tickets

Price: _____ Location: _____ Movie: _____

After Movie Drink and Snack

Location: _____

Drink: _____ Price: _____

Snack: _____ Price: _____

Total Cost of One Evening Out with Friends: _____

Reflection Questions

How did you feel when you were grocery shopping?

How did you feel when you were buying your essentials?

When you had to choose between brands, how did you feel? Why did you choose what you chose?

How did you feel when friends asked you to go out and do something fun?

How did you feel during your Random Luck's?

What did you learn from this project?