

Basic
Math 8 Budget Project- Due Dec 9th (B) or Dec 10th (A)

Congratulations! You've almost completed Semester 1. We have completed several real-life scenario problems in class regarding variables, now it is time to apply it at home.

Students, you are to collaborate with your caregivers on this project. The objective is to find the average daily cost of living for you (the student).

Utilities, groceries, toiletries, extra-curricular activities, transportation, etc. Anything that you consume is a cost to your caregiver.

Remember: *Things like a car payment probably wouldn't be applicable unless your caregiver specifically purchased a larger car to accommodate your individual needs.*

Rent or a mortgage payment wouldn't be applicable because your caregivers most likely would have had a mortgage or rent payment with or without you living in the home. However, if your caregiver had to move to a different household to accommodate your needs, then you would need to find the difference of what the standard home cost would be for your caregiver versus what they are living in now for your needs.

For example,

If a household of 7 has an electricity bill of \$200 a month, then the total cost would be $\$200/7 = \28.57 Per person, per month on average. To find the daily amount, $\$28.57/30 \text{ days} = \0.95 per day, per person for electricity use.

Then you would do the same for groceries, sports cost, gas cost to and from school, etc.

You are to find out the approximate cost of living for you, individually (the student). To do this you have to find the average cost per your family, and then divide by the number of people living in your household.

You must have

- 1) chart
- 2) evidence (receipts, bills, etc. with any personal or identifiable information removed)
- 3) pictures of you working on the project with or without your loved ones
- 4) math equations you used to solve the cost of living
- 5) 1 paragraph of your discovery
- 6) a PowerPoint, 3-D board, or poster board with the cost of living & the above listed items

** If caregivers are uncomfortable using actual numbers or bills with all identifiable information removed, then you may use a REALISTIC bill online and use that; *Google Images* has a lot that you can use. Note, electricity will not cost \$5,000 a month. It has to be somewhere what your parents actually pay. Mrs. Hooper does not care what your parents bills are, the objective is for the student to find that if you leave the lights on all day long, that bill is dependent (Y axis) upon what electricity you use (X axis).

Be creative; this is worth 500 points! You will present these in class the week of Dec 9th!