

Consumer Math
Unit 6 - Adulting

5. Brian's monthly gross income is \$2,950. He pays 22% of his monthly gross earnings in federal and state taxes and spends 10% of that monthly income to pay off his credit card debt. Brian is also paying off a loan his parents gave him for a new car by sending them 8% of his income per month. Brian found an apartment near his work that rents for \$1,300 per month. Will he be able to make the payments without changing the amounts he pays towards his loan and credit card debt?

6. The square footage and monthly rental of 15 similar one-bedroom apartments yield the linear regression formula $y = 1.3485x + 840.51$, where x represents the square footage and y represent the monthly rental price. Round answers to the nearest whole number.

a) Determine the monthly rent for an apartment with 1200 square feet.

b) Determine the square footage of an apartment with a monthly rent of \$1900.