

LESSON PLAN

Lesson Objectives

- Calculate the affordability of a monthly rent
- Learn the cost of housing

New Vocabulary:

Apartment
Evict

Tenant
Square footage

Landlord
Security Deposit

Lease

State Standards addressed:

A1.8.A - A1.8.G

Set-up information (Remind students to follow these basic rules.)

General Rule: A renter should budget 25% to 30% of their gross income for rent.

Example 1

Alex makes \$61,992/year. He wants to find an apartment to rent. Estimate how much he can afford to pay for rent each month. Then determine how much money he will have after he pays his rent.

Solution:

Let's budget 28% of his gross income for rent (Rent is paid monthly)

Step 1: $\$61,992 / 12 \text{ months} = \$5,166$ is the amount Alex earns per month

Step 2: $\$5,166 \times .28 = \1446.48 is amount he can afford on rent

Step 3 $\$5,166 - \$1446.48 = \$3719.52$ is the amount remaining.

If Alex chooses to rent an apartment for \$1446.48 for the one year, how much money will he spend on rent?

Solution:

$\$1446.48 \times 12 \text{ months} = \$17,357.76$ is spent of rent for 1 year

Assignment:

Materials:

Computers
Internet

Objectives:

Change percents to decimals

Solve problems that contain information in the form of decimals and percentages

Activity:

In this activity, you will decide on a three full-time jobs that you will consider doing after you graduate from high school/College. Using the internet, research how much the each job pays and show the annual salary, monthly salary, and find out how much money you can afford on rent. Plan on using 28% of your gross income to go towards your rent, remember to show all your work.

Occupation 1: _____

Annual Salary: _____

Monthly Salary: _____

Affordable Rent: _____

After paying your rent, how much money do you have remaining? _____

Occupation 2: _____

Annual Salary: _____

Monthly Salary: _____

Affordable Rent: _____

After paying your rent, how much money do you have remaining? _____

Occupation 3: _____

Annual Salary: _____

Monthly Salary: _____

Affordable Rent: _____

After paying your rent, how much money do you have remaining? _____

Teacher Assessment of student learning (scoring guide, rubric)

Have students share findings and discuss.

Summary of learning

- Students will learn what to consider when determining to for a place to live
- Student will learn what percentage of income to spend on living expenses
- Student will learn the cost of moving into a place

Optional activities

- Compare apartment rates from different cities

Career Applications

- Real Estate

Washington Applied Math Council

<https://wa-appliedmath.org/>