

## Tech Lab Report

### Experiment 1: Calculating Power Consumption

The lab device draws 0.5 amperes of current at 12 volts. The power is calculated using the formula:

$$\text{Power} = \text{Current} \times \text{Voltage}$$

### Experiment 2: Area & Cost Estimation

We had to tile the floor of a rectangular lab room. The room was 15 feet long and 10 feet wide.

Each tile covers 1 square foot and costs \$2.50.

### Experiment 3: Physics Review

Gravity is the force that pulls objects toward the Earth.

Photosynthesis is the process through which plants use sunlight to make food.

### Experiment 4: Measuring Square Roots

To calibrate a sensor, we needed the square root of 81 and 49. These values are critical for setting voltage