



The Police Officer Rocco Laurie Intermediate School 72

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Math Summer Assignment: Incoming 8th Grade

Name _____ Class _____ Date _____

Directions:

- ☐ **Understand the Problem:**
Clearly explain the main idea of the problem and what it is asking in your own words. Uses correct math vocabulary and shows your thinking with helpful visuals like diagrams, tables, graphs, or equations.
- ☐ **Make a Plan:**
Create a clear and logical plan that shows the steps you will take to solve the problem. The explanation connects directly to what the problem is asking.
- ☐ **Solve the Problem:**
Complete all the steps correctly and carefully. Calculations and models are accurate, and the work is organized so it is easy to follow.

Expert BONUS: complete *one* of the following:

- ☐ Show another way to solve the problem.
- ☐ Identify a logical error a student may make when solving the problem.

Problem:

The student council is hosting a movie night fundraiser. They spent **\$75** to rent the movie equipment and buy snacks. If tickets cost **\$5 each**, determine how many tickets must be sold for the student council to breakeven and begin making a profit.

What is this problem asking you? _____

Use words to create a clear and logical plan that shows you steps you will take to solve this problem.

Write an equation to represent the situation. _____

Determine how many tickets need to be sold to breakeven.

Show all work.

BONUS!!! Complete ***ONE*** of the following:

Show another way to solve this problem:	Identify a logical error students may make when solving this problem.