



The Police Officer Rocco Laurie Intermediate School 72

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Math Summer Assignment: Incoming 7th 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 tables below show the ratios of distance to time traveled by Car A and Car B.

CAR A

Time (hours)	Distance (miles)
2	130
4	260
6	390

CAR B

Time (hours)	Distance (miles)
3	186
5	310
7	434

If both cars maintain their rates of speed, what is the difference between the distances, in miles, traveled by Car A and by Car B after 8 hours?

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.

What is car A’s speed in miles per hour? _____

What is car B’s speed in miles per hour? _____

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.

