

EXPLANATION

1. The first step is to identify the variables and their units. The variables are distance (meters) and time (seconds).

2. Next, we need to determine the relationship between the variables. In this case, the distance is directly proportional to the square of the time.

3. We can express this relationship as a mathematical equation: $d = kt^2$, where d is distance, t is time, and k is a constant.

ANSWER

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