

"PART 2 FORMAL EGG DROP LAB"

NAME: _____

① WHAT WAS THE MASS OF YOUR PROJECT? _____ grams.

② Convert the mass from grams to kilograms by moving the decimal point 3 places to the left. (For example... if the mass of my project was 78.9 grams, the mass would become .0789 kilograms).

The mass of your project in kgs is _____.

③ How long was your project in the air? _____ seconds (The time Mr. Petronzio gave you.)

④ WHAT WAS THE SPEED OF YOUR PROJECT? _____ m/s (The distance from the top of the railing to the floor is 5.3 meters)

⑤ WHAT WAS THE VELOCITY OF YOUR PROJECT? _____ m/s _____ (You must add direction.)

⑥ WHAT WAS THE MOMENTUM OF YOUR PROJECT? ($P = m \cdot v$) _____ kg · m/s
 $P =$ _____ kg \times _____ m/s

⑦ WHAT WAS THE ACCELERATION OF YOUR PROJECT? $\left(\frac{V_f - V_i}{\Delta T} \right)$ _____ m/s²

(SHOW WORK BELOW.)
A. $\left(\frac{\text{_____ m/s} - \text{_____ m/s}}{\text{_____ s}} \right)$ B. $\left(\frac{\text{_____ m/s}}{\text{_____ s}} \right)$

⑧ WHAT WAS THE FORCE OF YOUR PROJECT? ($F = m \cdot a$) _____ NEWTONS
 $F =$ _____ kg \cdot _____ m/s²

⑨ DRAW A PICTURE OF WHAT YOU ACTUALLY TESTED ON THE BACK. IF YOU ARE HAVING TROUBLE REMEMBERING, I TOOK PICTURES & POSTED ON HAIKU IF YOU WANT TO LOOK AFTER CLASS. LABEL THE PARTS OF YOUR PROJECT YOU THOUGHT WOULD BE SUCCESSFUL. (LIKE THE PARACHUTE)