

Friday, September 14/12
Science 10

1. Activities (2)
 2. ICA (In Class Assignment) - Monday
 3. Exit Slip
-



Show your work:

$$d =$$

$$t =$$

$$a = ?$$

$$a = \frac{2d}{t^2}$$

$$a = \frac{2(4.26)}{(\boxed{})^2}$$

$$a = \boxed{} \text{ m/s}^2$$

$$\text{Group Results: } \left. \begin{array}{l} 13.2 \text{ m/s}^2 \\ 12.5 \text{ m/s}^2 \end{array} \right\}$$

$$25.3 \text{ m/s}^2$$

$$11.98 \text{ m/s}^2$$

$$11.98 \text{ m/s}^2$$

$$\% \text{ error} = \left| \frac{\text{exp.}^{\text{experimental}} - \text{accepted}}{\text{accepted}} \right|$$

$$\% \text{ error} = \left| \frac{11.98 - 9.80}{9.80} \right| \times 100\%$$

$$\% \text{ error} = 22.24\%$$

Activity #2.

Find an experimental value for the acceleration due to gravity.

- * motion detector
- * soccer ball
- * cage
- * Logger Pro (software)

$$\begin{aligned}\% \text{ percent} &= \left| \frac{10.0 - 9.80}{9.80} \right| \times 100\% \\ &= 2.04\%\end{aligned}$$