مرق جساب الخطافي القبارب . ل الإستعناق ل مرك مسك ل قرار المحمد في العبان ا

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EXP-

المكن جسانير ك مناحاد ل الآلة الحرامية Steps:. Turn on by pressing [ON] button - Clear the manage memory by pressing [shift] [Mode][3] [=][=] - Enter the Statistics mode by pressing [modc][2] + 50 appear in the upper left side. Now - Ensor the first measurment followed by the [M#] button then the second followed by [M+] .... cintil you finish all measurments. Now [X] Can be calculated by [shift][2][1][=] < [Shift][2][3][=] 6<sub>5</sub>  $6m = \frac{6s}{11}$  X<sup>2</sup>
 Can be calculated by [shift][i][i][=]
 X<sup>2</sup>
 i=1
 X<sup>2</sup>
 Can be calculated by [shift][i][i][=]
 5 5 [Shiff][i][3][=] XX of Data 4 5

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X Exp1: Density of ameral and distance between it's atoms 3 The aim of this exp is find the devity of different metal and calculate she distance between its atoms Theony - For apiece of material the density can be determined using  $\mathcal{P}_{\pm} \frac{M}{N}$ w M: mass of de material V: its Volume - The distance between atoms.

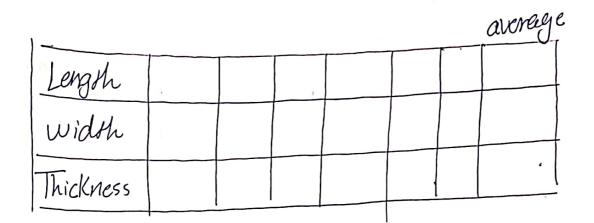
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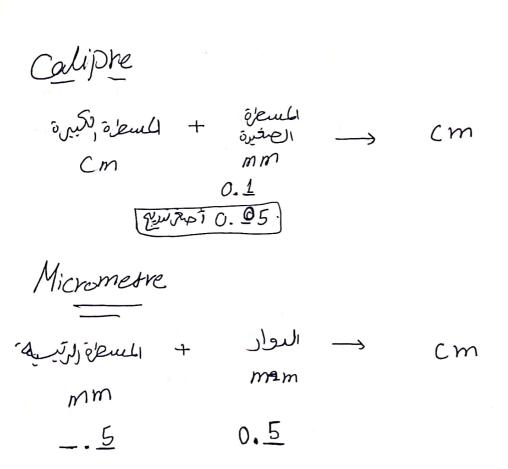
- The uncertainty in Density:  

$$\begin{array}{c}
\mathcal{P} = \frac{M}{V} \\
\Delta \mathcal{P} = M_{DV} + V \Delta M \\
\hline
V \\
\boxed{D\mathcal{P} = \frac{M}{V^2} \Delta V + \frac{\Delta M}{V}} \\
\Delta V = \frac{M_{OUSS}}{D^2 + \frac{\Delta M}{V}} \\
\hline
DM = 0.05 gm \\
DV = \frac{M_{OUSS}}{DV = \frac{M}{V}} \\
\hline
DM = 0.05 gm \\
DV = \frac{M_{OUSS}}{DV = \frac{M}{V}} \\
\hline
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DM = 0.05 gm \\
DV = \frac{M}{V} \\
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DM = 0.05 gm \\
DM = 0.05 gm \\
DM = 0.05 gm \\
DV = \frac{M}{V} \\
\hline
DM = 0.05 gm \\
DM = 0$$

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by Using Vernier Caliper, Micrometer and balance scale + (Metal block)





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3

Calculations:

- follow the steps in page 37

- Use the Questions in Page 38 to write the conclusion in your report.

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