

2A

LAB NOTE
CENTRIPETAL FORCE

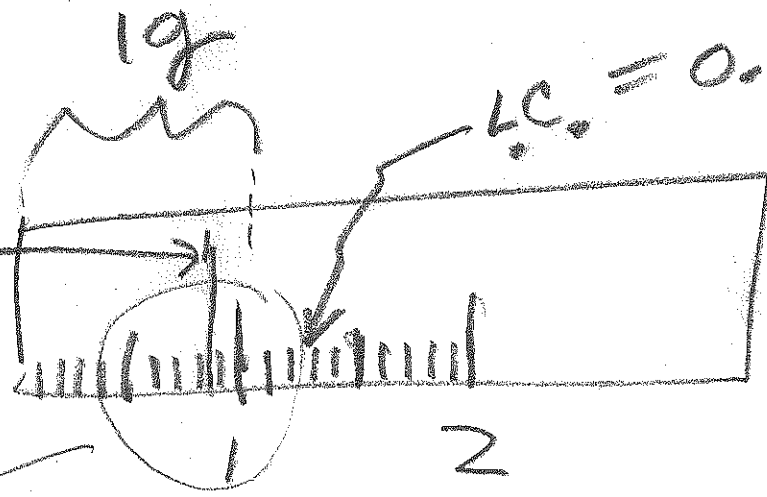
10-16-13

MASS SCALE

EXAMPLE 1

MARKER

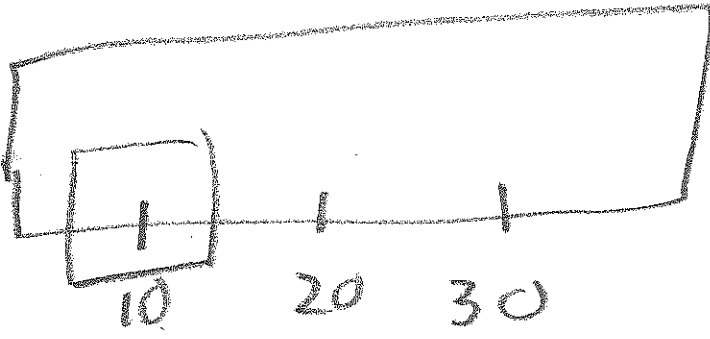
FINE



SMALLEST DIVISION

$$\text{ERROR} = \frac{LC}{2} = 0.05$$

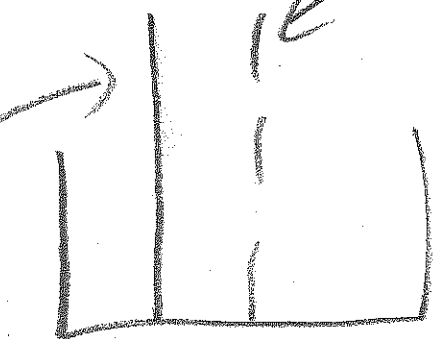
MAIN



DIVIDE INTO 5

BLOW UP:

MARKER

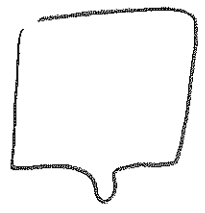


0.8 0.9

$$10 + 0.8 = 10.80 \pm 0.05 = 10.80$$

Example 2

Bob



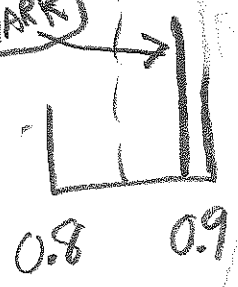
FIND MASS.

$$(90 + 8 + 0.90 + 350)g$$

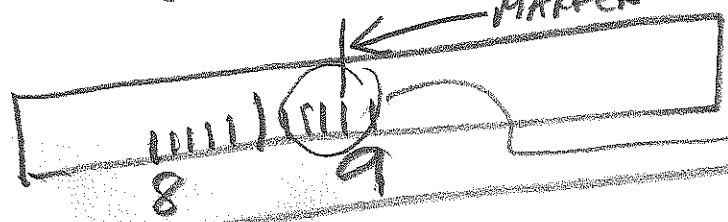
counterweight

Divide

MARK



FINE



MAIN

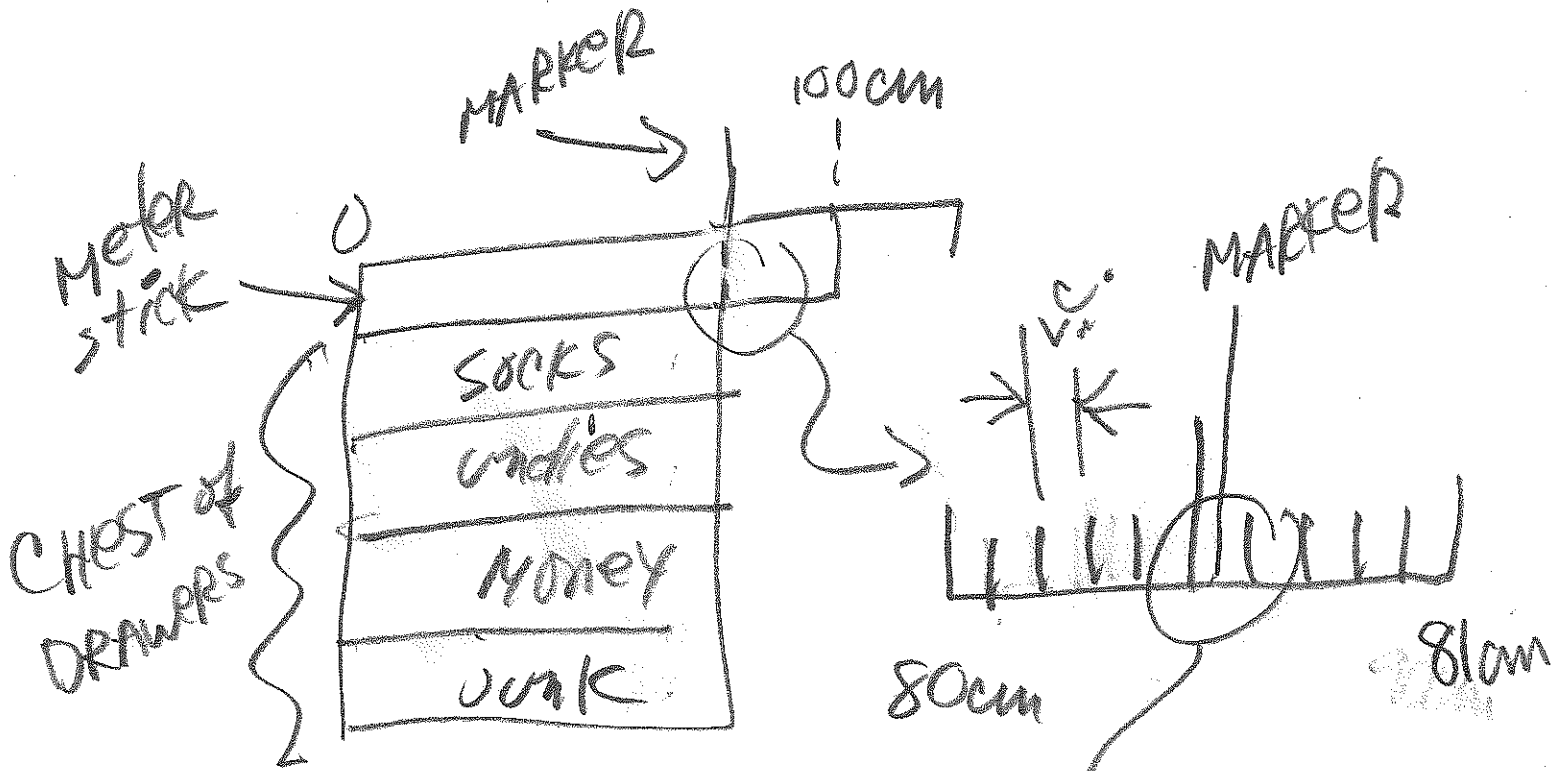


80 90 100

$$\begin{array}{r}
 350.00 \\
 98.90 \\
 \hline
 448.90g
 \end{array}$$

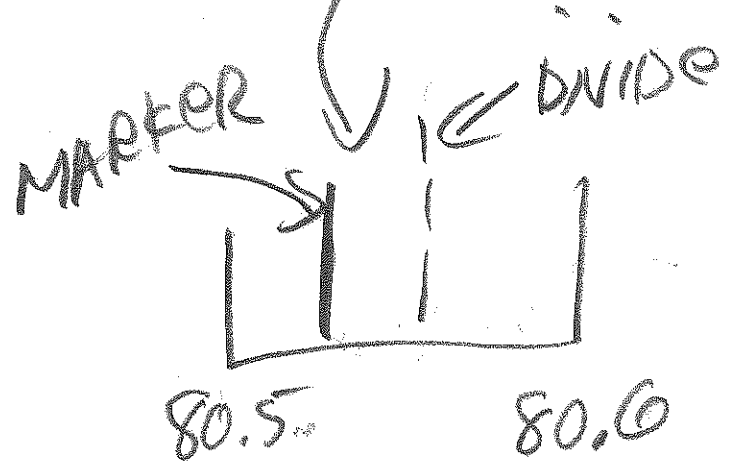
Meter stick

EXAMPLE 1



$$LC = 0.1 \text{ cm} \\ = 1 \text{ mm}$$

$$\frac{LC}{2} = \text{error} = 0.05$$



$$80.50 \pm 0.05$$

= 80.50 cm = length of chest of drawers