Precision Practice

1. Visit lab stations.
2. Observe measuring devices.
3. Determine precision and uncertainty.
4. Record in your student guide (use pencil in case of mistake).

DEVICE	MEASURES	UNIT(S)	UNCERTAINTY
Gram Scale	mass	g	+/- 0.01g *(printed on scale)*
Meter Stick	length	m cm mm	+/- 0.005 m +/- 0.05 cm +/- 0.5 mm
Ruler	Length	cm mm	+/- 0.05 cm +/- 0.5 mm
Stop Watch	Time	s	+/- 0.01 s

DEVICE	MEASURES	UNIT(S)	UNCERTAINTY
Glass thermometer	Temp	°C	+/- 0.5 °C
Metal thermometer	Temp	°C	+/- 0.5 °C
10 ml graduated cylinder	Volume	ml	+/- 0.05 ml
100 graduated cylinder	Volume	ml	+/- 0.5 ml

DEVICE	MEASURES	UNIT(S)	UNCERTAINTY
500 graduated cylinder	Volume	ml	+/- 3 ml
2000 graduated cylinder	Volume	ml	+/- 10 ml
15 beaker	Volume	ml	+/- 3 ml
250 beaker	Volume	ml	+/- 10 ml

DEVICE	MEASURES	UNIT(S)	UNCERTAINTY
1000 beaker	Volume	ml	+/- 30 ml
250 flask	Volume	ml	+/- 10 ml
1000 flask	Volume	ml	+/- 30 ml
4000 flask	Volume	ml	+/- 300 ml