T

G

M

k

m

μ

n

p

Quantify the prefixes

Explain accuracy & Precision

State appropriate relationship to quantify random uncertainties

State the effect of systematic uncertainties and how they arise

State what can often be used as a good estimate of the percentage uncertainty in the final numerical result of an experiment

State the relationship to determine the mean

State what the mean of a set of repeated measurement represents

State the scale reading uncertainty in an analogue and digital device

identify quantities liable to uncertainty



Define a scale reading uncertainty

State the cause of random uncertainties

State how random uncertainties can be reduced.

Give an example of how to quantify uncertainties

Graphically how does a systematic uncertainty often show up.

Uncertainties

& Prefixes