

Key Q's and Vocab: SI Units and Metric Prefixes

These should be copied by hand into your CHILL ☺

Vocab:

1. Precision – A measure of certainty and repeatability within a measurement
2. Significant figure – a number in which there is certainty or confidence
3. Increments – the unit of the smallest marking on a measurement device

Key Questions (answer these in a different color ink):

1. I take out a ruler to measure a stick. The increments on the ruler are 0.1 centimeters and I report my measurement as 3.456793029272612003938 cm. Are all of those numbers significant? Justify.
2. How many places after the decimal should I record if am going to add 4.33 to 5.1?
3. Multiply 2 times 7.5 and tell me how many significant figures your answer should be.
 - a. What is the problem that you see with recording this answer from question #3?