

SNC2D Motion

Measurement Worksheet

See Nelson Science 10 Pages 344-347 and Pages 702-704

1. What are the SI base units for

- a) time
- b) distance
- c) mass
- d) electric current
- e) temperature

2. Write out the following in words

- a) mA
- b) μ s
- c) kg
- d) nK
- e) GW (hint – see Table 2 p690)
- f) MJ

3. Write the numbers AND the powers of ten that correspond to each of the SI prefixes:

- a) n
- b) μ
- c) m
- d) c
- e) k
- f) M
- g) G
- h) T (research time! see http://en.wikipedia.org/wiki/SI_prefix)
- i) Y
- j) y

4. How many significant digits are in each of the following?

- a) 2 eggs
- b) 30 days
- c) 1 m
- d) 2.501 km
- e) 0.0034 s
- f) 300 mm
- g) 3.40 μ L
- h) 0.004 000 ng
- i) 0.002×10^{12} m
- j) 102 Maple Leaf fans
- k) 3.01×10^{-2} s
- l) 0.000 400 500 0 $\times 10^3$ Pa