

THIRD FORM PHYSICS

UNITS, PREFIXES AND STANDARD FORM

DUE 29 SEPT, 2015

HOMEWORK

1. Convert the following:
 - a. 115mm to km
 - b. 0.354kg to g
 - c. 6.47Ms to ms
 - d. 82.6 μ N to mN
 - e. 573 500A to MA
 - f. 502g to kg
2. Write the following numbers in standard form.
 - a. 305 261
 - b. 0.0005432
 - c. 0.024
 - d. 2 456 987
 - e. 57 222
 - f. 0.0043
3. Calculate the following:
 - a. $(2.345 \times 10^6) \div (13.2 \times 10^3)$
 - b. $(9.27 \times 10^{-4}) \times (1.32 \times 10^2)$
 - c. $(5.34 \times 10^8) - (0.42 \times 10^7)$
 - d. $(12.33 \times 10^4) \times (1.23 \times 10^6)$
 - e. $(8.32 \times 10^4) + (0.32 \times 10^5)$
4. Complete the following.
 - a. The unit of force is the _____.
 - b. The unit for Current has the symbol _____.
 - c. The kilogram is the SI Unit for _____.
 - d. _____ and _____ are both usable SI Units for Temperature.