

CHEMISTRY
WORKSHEET 1c.

Name: _____

1 in = 2.54 cm 1 mile = 5280 ft = 1609.344 m 1 lb. = 454 g

1. Write each of the following in standard scientific notation:

a) .00023

b) 602,200,000,000,000,000,000

2. Round off each number as specified and express the answer in scientific notation:

a. 0.00034187 to 3 sig. figs

b. 60.2771 to 4 sig. figs

c. 0.000009316 to 2 sig. figs

3. Perform each conversion to the correct number of significant figures:

a) 7.8×10^{-7} km to mm

b) 9.5×10^8 μg to kg

c) 2.1 ft to cm

d) 406. m to miles

e) 109 lb. to g