

Science and Eng. Dept.

Syllabi

37110 Elements of

7.283 ppm

7.3 ppm

7.46 ppm

357 3 sig figs.
(3)(2)(1)

P



decimal
is
present

① Start counting
at the # that
is between 1-9

A



decimal
is absent

② Once counting
is started it does
not end until the
end of the #

57030 4 sig figs.
④③②①

63.04 4 sig figs
①②③④

0.050200 5 sig figs
①②③④⑤

3.24 $\times 10^4$ 3 sig figs

32400 3 sig figs

0.7632

$$7.632 \times 10^{-1}$$

- ① less than 1, negative exponent.
- ② First # must always be between 1 and 9.

$$\begin{array}{l} 4030 \\ 4026.32 \quad 6 \text{ sig figs} \end{array}$$

$$0.402632 \times 10^4$$

$$\begin{array}{l} 4.02632 \times 10^3 \\ \hline \end{array} \quad 6 \text{ sig figs}$$

$$\begin{array}{l} 4.03 \times 10^3 \\ \text{i} \end{array}$$