Significant Digits

The examples below illustrate the proper use of significant digits for the Chemistry 30 Diploma Examination in a response.

Example 1

A 10.0 mL sample of an unknown weak monoprotic acid is titrated with a standardized 1.20 mol/L sodium hydroxide solution. The following data are recorded.



Example 3

A student conducts a calorimetry experiment to determine the energy transferred when solution A is mixed with Solution B. The data collected is shown below. Assume the specific heat capacity for each solution is the same as water.



Changes to the Chemistry Data Booklet

The most current version of the Chemistry 30 Data Booklet has a publication date of 2010, and a red cover. This version replaces previous versions, which have an earlier publication date and blue covers.

Rationale

- To address feedback received from the field regarding the Chemistry 30 Data Booklet, specifically regarding the solubility table
- To better align the Chemistry 30 Data Booklet with the *Chemistry 30 Program of Studies*, 2007
- To reflect current values