

2. Measurement is the assignment of a number to a characteristic of an object or event, which can be compared with other objects. This system reduces all physical measurements to a mathematical combination of seven base units. The science of measurement is pursued in the field of metrology.

The scope and application of measurement are dependent on the context and discipline. In the natural sciences and engineering, measurements do not apply to nominal properties of objects, which is consistent with the guidelines of the international vocabulary of metrology.