

# Exercise 1

## Determination of the density of a solid material

The aim of this exercise is to plan and perform an experiment, which allows to determine the density of a chosen solid material.

Equipment: weighing scale, solid material, caliper, micrometer, graduated cylinder, beaker with water, pipette, thin wire, thermometer

1. Propose a method
2. Present the appropriate equations
3. Specify the ways of measuring of the needed quantities
4. Establish the accuracy of the devices, which will be used
5. Specify the sources of the measurement errors
6. Present the results of the measurements in a table
7. Calculate the density
8. Present the conclusions