

ABSTRACT:

A basic summary of the most common types of chemical calculations for primary and high schools and their connection with the mathematical knowledge is mapped in this work.

The work is divided into three main parts – the chemical calculations at primary schools, part of chemical calculations at high schools and part mapping tasks that contain chemical calculations in chemical competitions for pupils of primary and high schools.

The first two parts contain the necessary theory in mathematics and chemistry, including chemical formulas which are used. The first two parts also contain a few typical examples for better understanding of the topic. The last part shows the application of knowledge of chemical calculations in competitions for pupils.