

Volume and area ratios with GeoGebra

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The question of volume ratios of essential solids is easily definable, and understandable for everyone. But its solution requires knowledge not covered by the standard school mathematics. That is the reason why we do not usually discuss volume ratios at mathematics lessons. It's a great pity.

But in facts, we do not need to omit the question of volume ratios! The difficulties associated with the solution can be easily and quickly bypassed with suitable simple software, for instance GeoGebra.

What shall we do in this workshop? First, we shall verify our estimate skills within the field of volume ratios. Then we shall validate the estimates with GeoGebra, and make ourselves a GeoGebra environment useful for better grasping and training the volume ratio issue.

The GeoGebra part of the workshop requires only a basic knowledge of the program.