This work presents historical development in methods of calculating volume and surface of a sphere. It's made for high school teachers as a resource for teaching about volume and surface of solids and for high school students who developed interest in historical outlook for this theme. It contains description of particular preserved tasks from ancient Egypt and Mesopotamia. It compares precision of particular approaches taking into account the precision of the constant π. It analyses proofs of facts about volume and surface of sphere from ancient Greece. It describes assets of enlighteners for this theme and shows exact approaches for deducing the formulas for calculating volume and surface of a sphere.