Answer on Question #53157 – Math – Geometry

Sphere is the smallest volume for a given mass----True/False.

Solution

The mass m and the volume V are related by the following expression

$$m = \rho \cdot V,$$

where ρ is the density of the material. The mass is directly proportional to the volume, but it is possible that the objects of various shapes have the same volume. Therefore the answer is <u>False</u>.

Answer: False.