

# VOLUME OF A SPHERE

## INVESTIGATION

### VOLUME TO SA RATIO COMPARISON



Spheres are used for storage in many ways from body cells to gas storage tanks. Calculate the Volume to Surface Area Ratio of various 3D shapes.

What do you notice about the sphere?

Where could this be useful in real life?

SHAPE	DIMENSIONS	VOLUME	SURFACE AREA	VOLUME : SA RATIO
Triangular Prism				
Triangle-based Pyramid				
Rectangular Prism				
Rectangle-based Pyramid				
Cube				
Square-based Pyramid				
Sphere				