## Geometry: 3D Shapes



The study of 3D shapes, also known as solid geometry, is essential for mathematicians as it is a fundamental part of geometry. It involves the understanding of various geometric objects such as cubes, spheres, pyramids, and prisms. Solid geometry provides a basis for understanding the properties of objects in our physical world, including architecture, engineering, and even art. By studying 3D shapes, mathematicians can analyse and solve real-world problems related to volume, surface area, and the relationships between different shapes.

```
VOCABULARY
\square Face
\square Edge
Vertex
```

TUDOR HABITS AND VALUES
Studying 3D shapes can develop courage and grit by encouraging you to take risks, persevere through challenges, and develop problem-solving skills. Exploring complex forms and structures
requires a willingness to try new things and persist despite setbacks.

