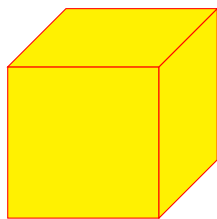


§1 Case Study: The Cube



8 vertices, 6 faces, 12 edges.

Let G denote the symmetry group of the cube (the same as the isometry or motion group).

This group has 48 elements.

Indeed, there are 8 isometries that map each