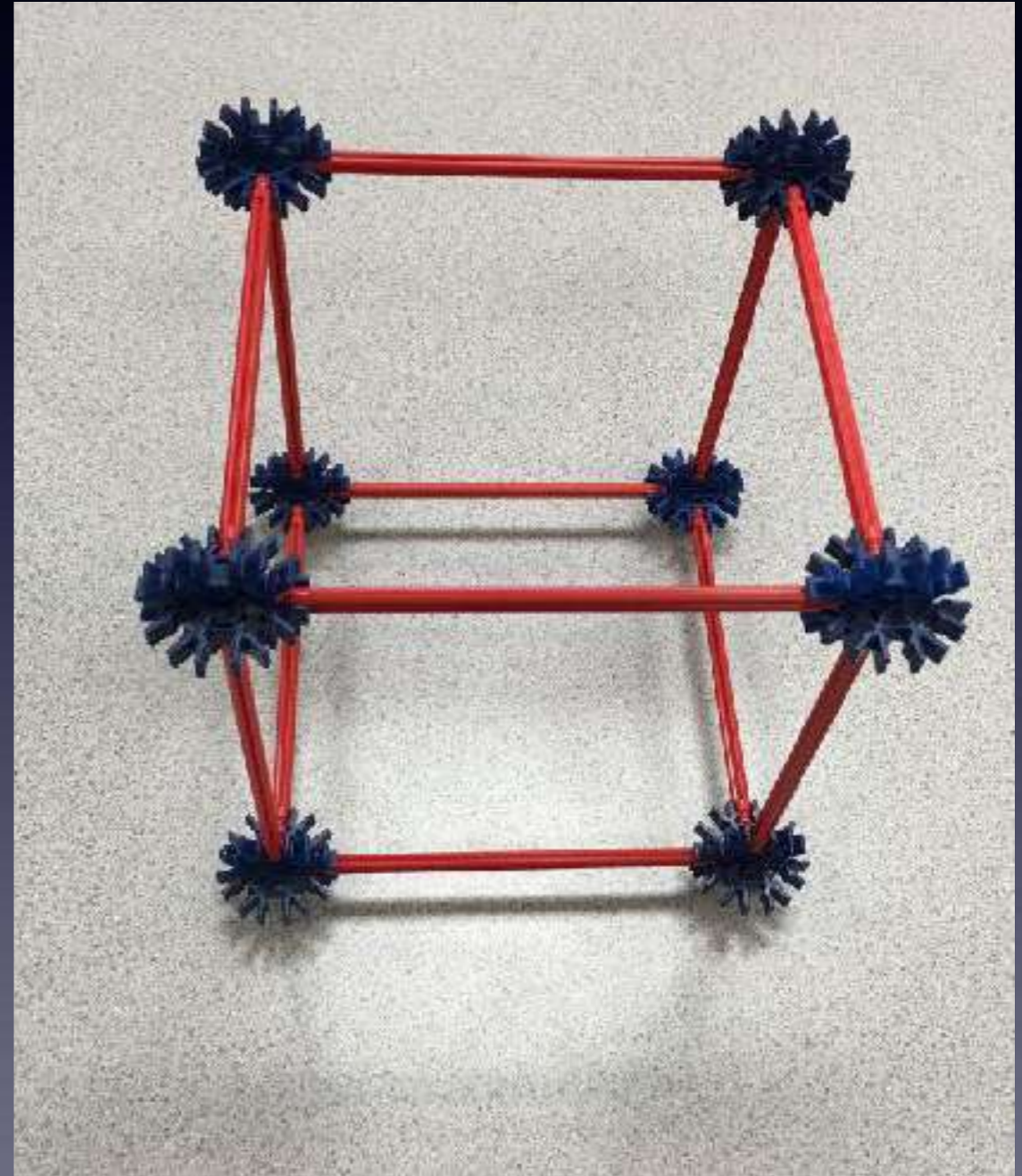# Volume of 3D Solids Using K'Nex
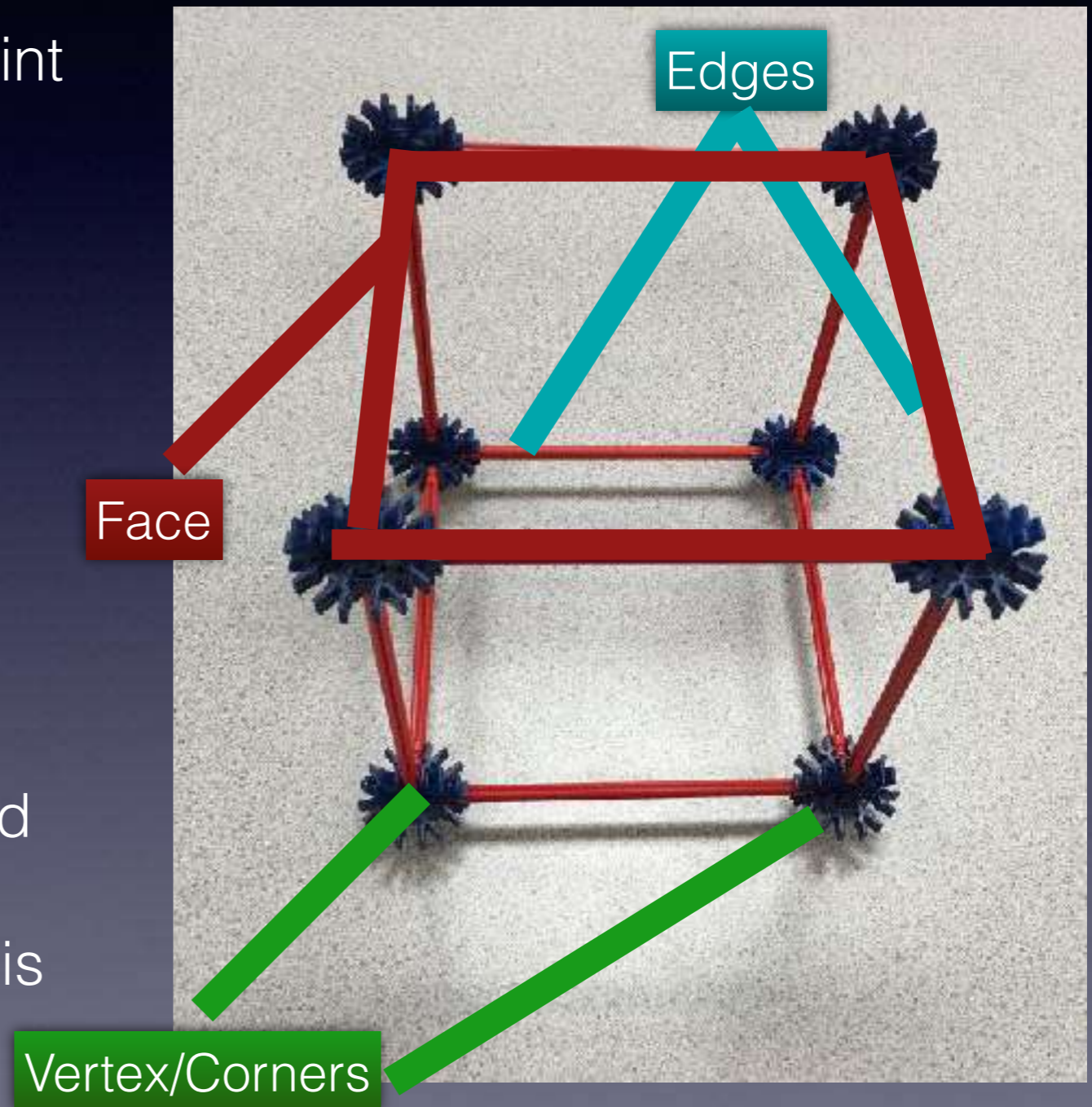
7.M.G.A.01

Volume

-the amount of space that a substance or object occupies, or that is enclosed within a container

Cube

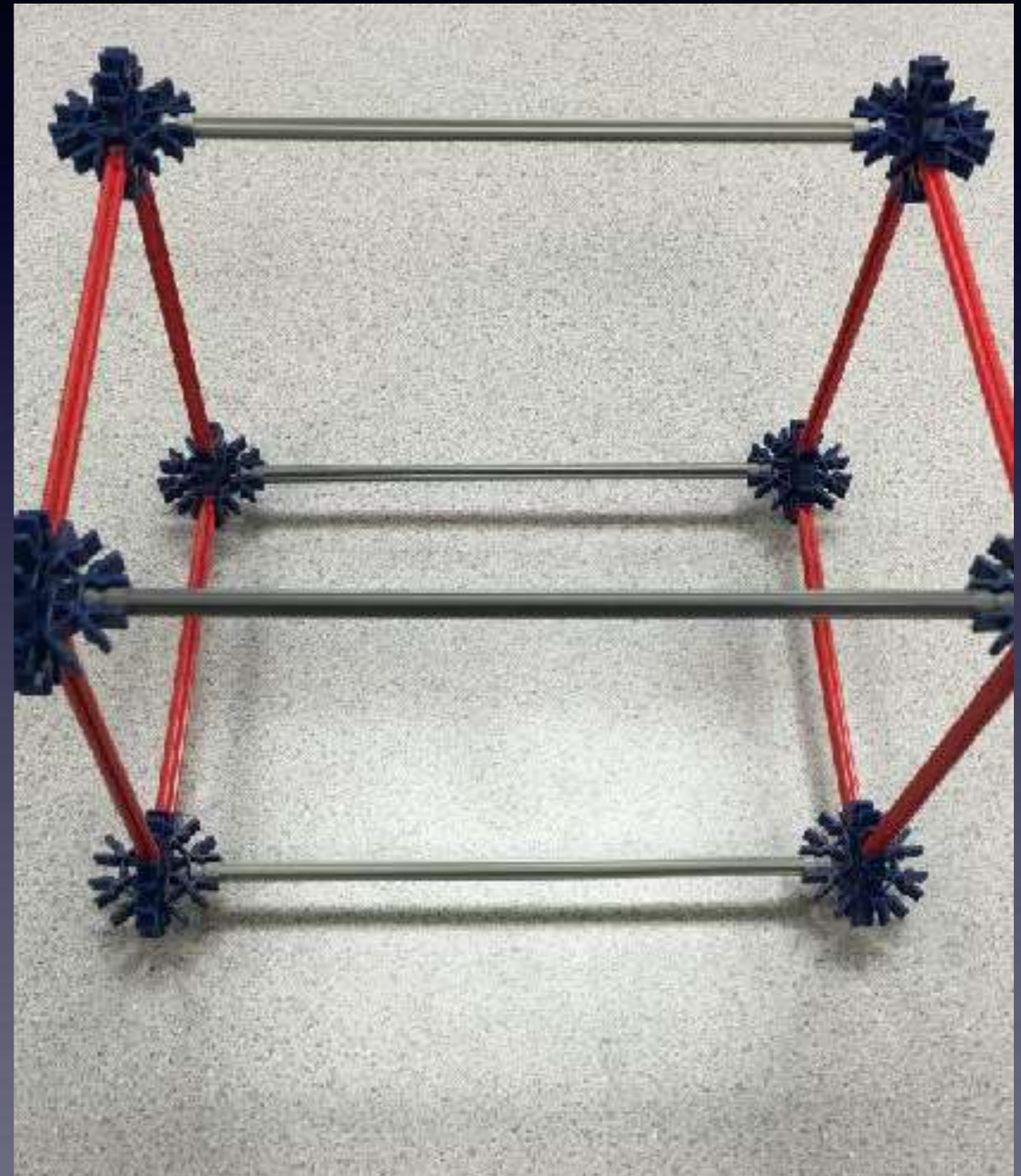- a symmetrical three-dimensional shape, either solid or hollow, contained by six equal squares.

- Vertex- the common endpoint of two or more rays or line segments. Vertex typically means a corner or a point where lines meet.

- Edge- an edge is a line segment that joins two vertices.

- Face- in any geometric solid that is composed of flat surfaces, each flat surface is called a face.

Rectangular Prism

- A solid (3-dimensional) object which has six faces that are rectangles. It has the same cross-section along a length, which makes it a prism.

Triangular Prism

- three-sided prism; it is a polyhedron made of a triangular base, a translated copy, and 3 faces joining corresponding sides.