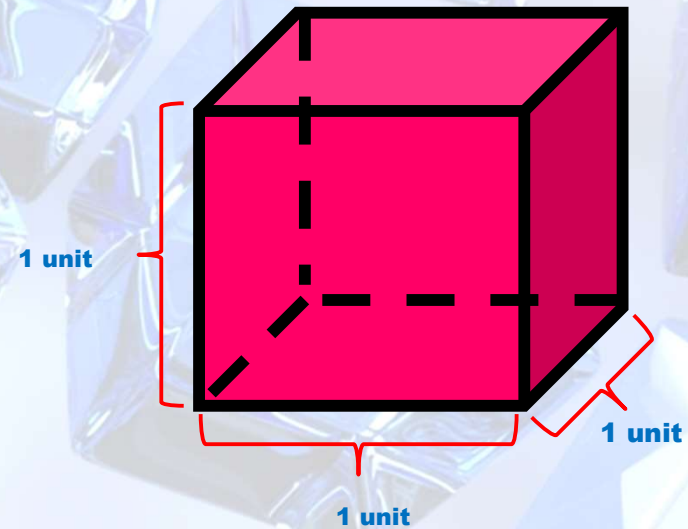# FINDING VOLUME OF SOLIDS

VOLUME

The **volume** of a solid is the amount of space occupied by the solid. The greater the volume of a solid the more space it takes up.

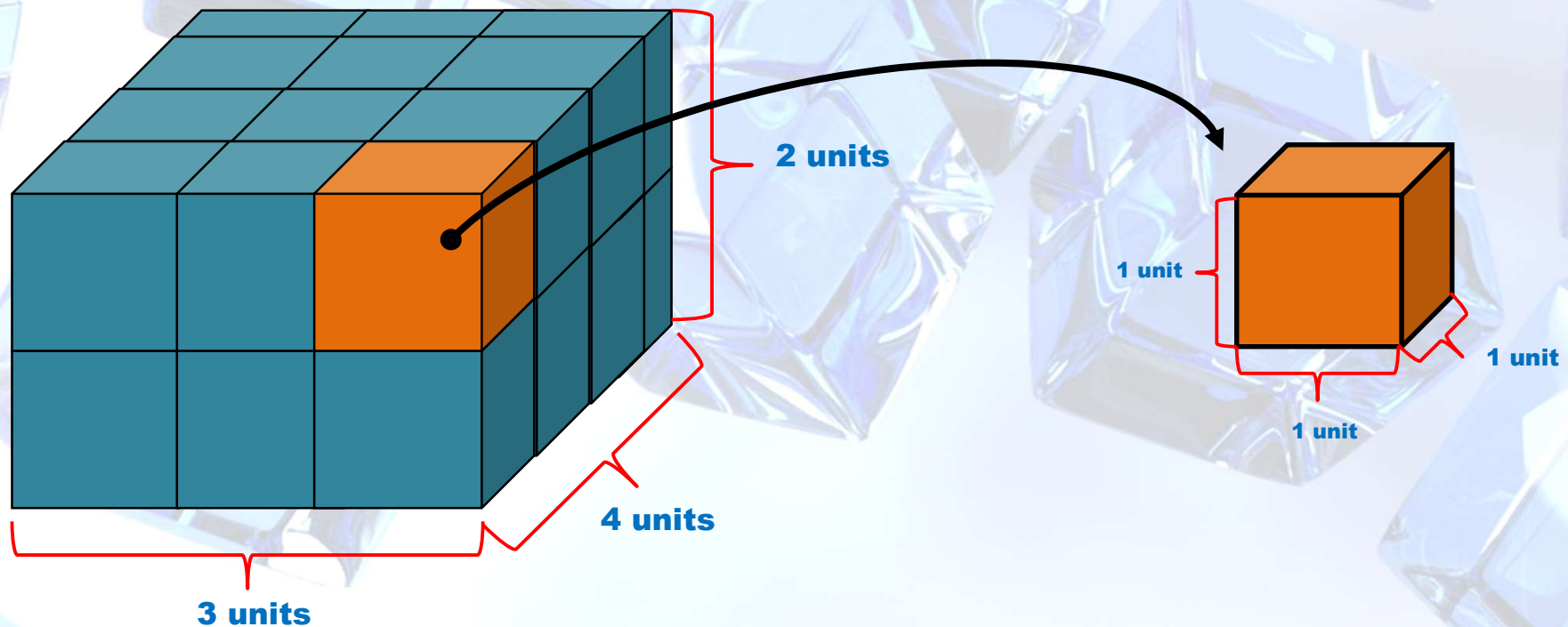A **unit cube** is a cube that has 1-unit long edges.

A **unit cube** occupies a space of **1 cubic unit**.

This means that the volume of a unit cube is **1 cubic unit**.

1 unit

1 unit
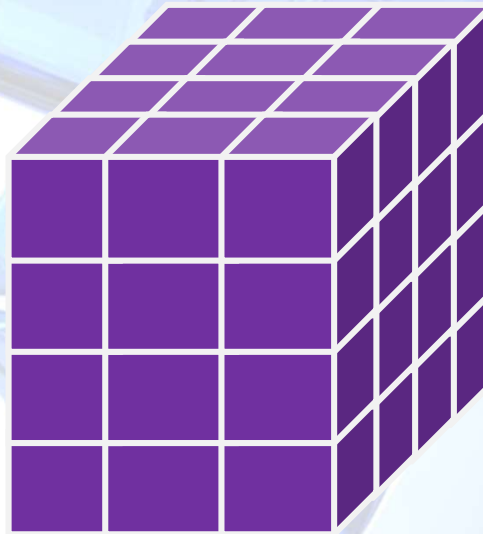
1 unit

VOLUME OF SOLID

The **volume of a solid** is the number of unit cubes that the solid can be divided into.

2 units

4 units

3 units

1 unit

1 unit

1 unit

Finding Volume

What is the volume of this solid?

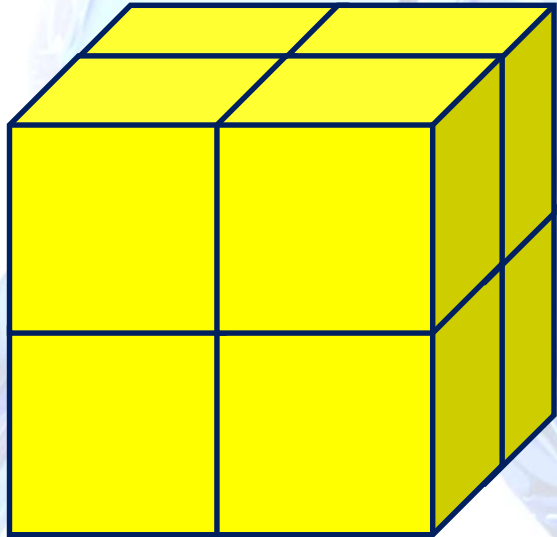**Count the number of unit cubes in the solid to find out.**
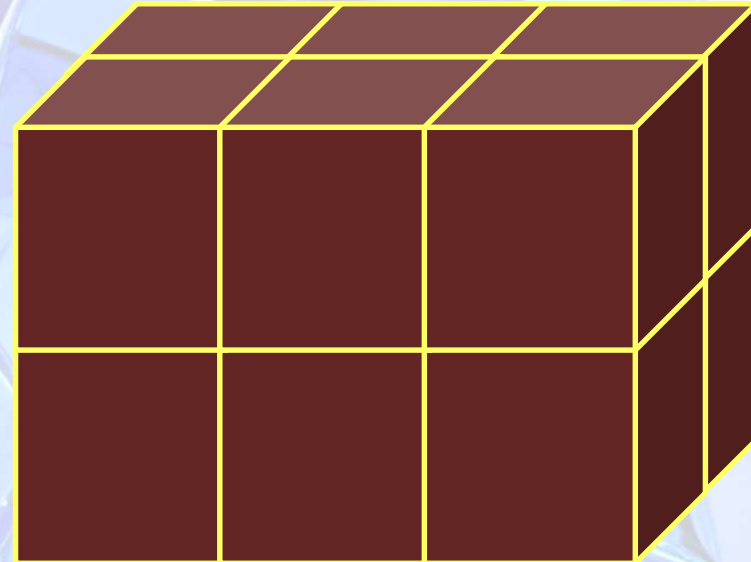
The solid is built with **48 unit cubes.**

The volume of a unit cube is **1 cubic unit.**
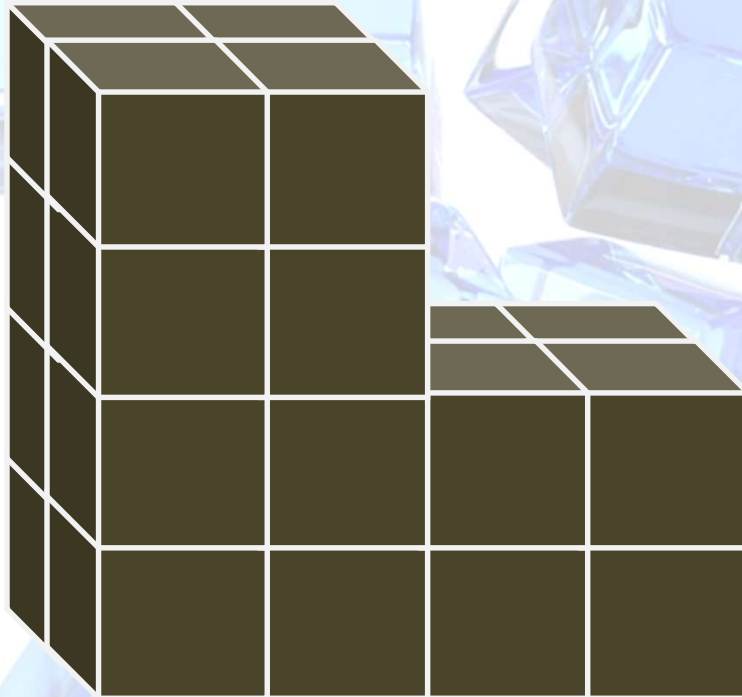
The volume of the solid is **48 cubic units.**

Assuming that 1 ▢ indicates 1 cubic unit, find the volumes of the solids in cubic units.
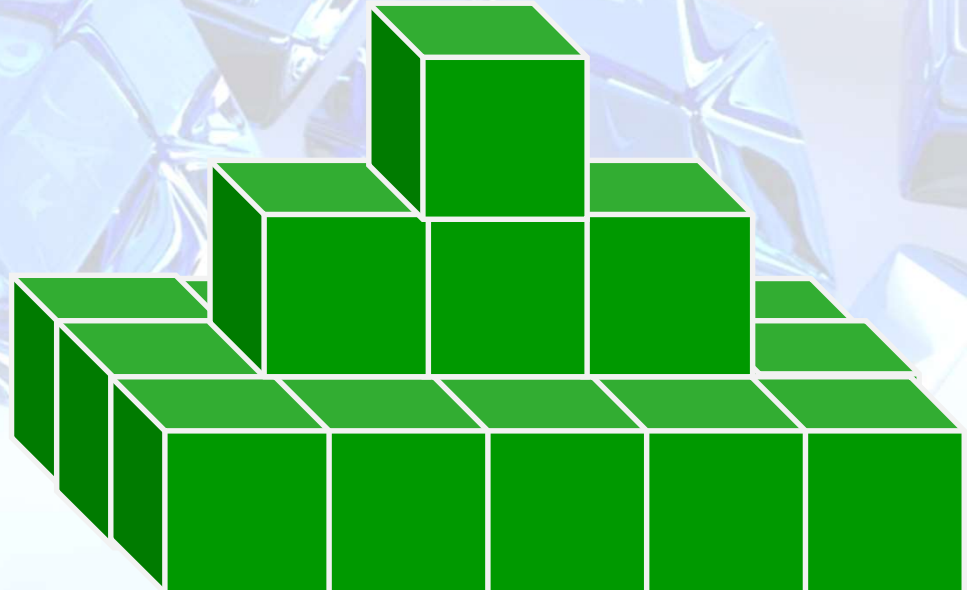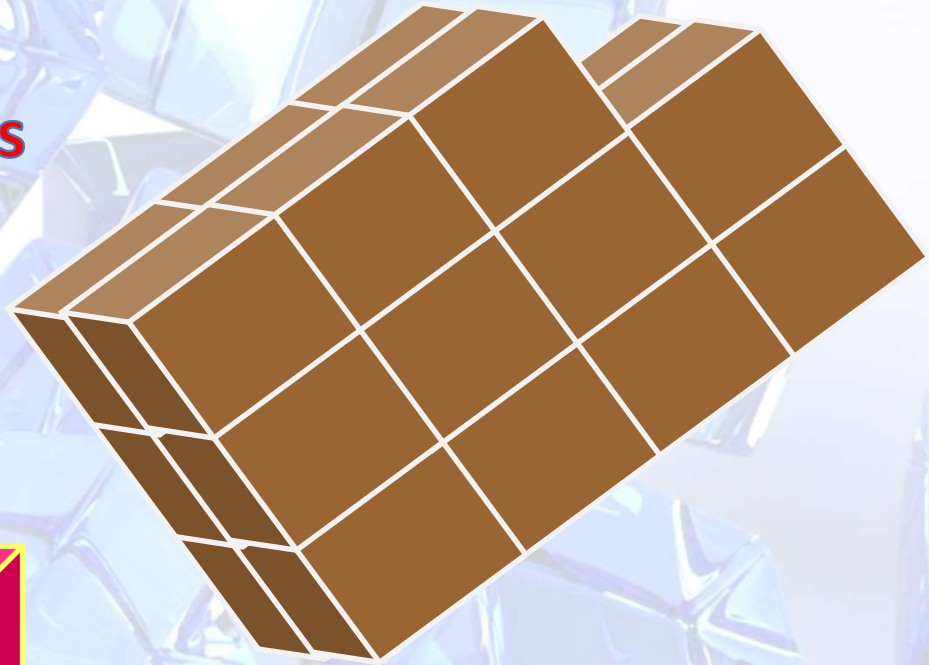
Volume = 8 cubic units

Volume = 12 cubic units

Volume = **24** cubic units

Volume = **19** cubic units

Volume = 22 **cubic units**

Volume = 42 **cubic units**