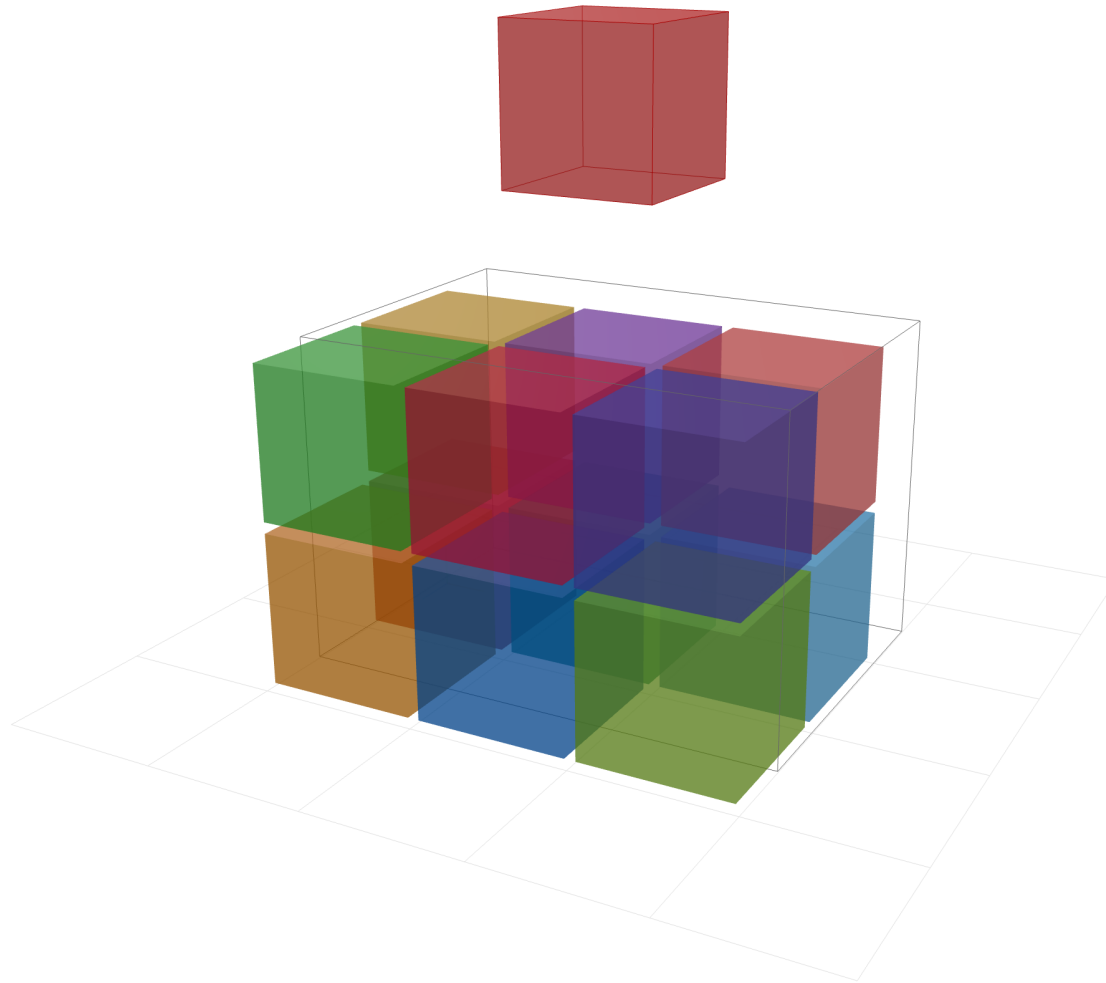


24. Volume Concepts

Definition (by convention)
A cube with edge length 1 has volume = 1

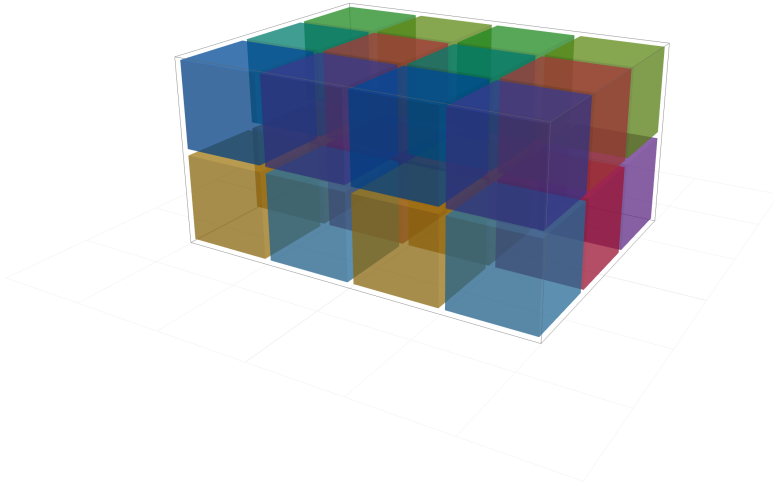
Axiom 1 $V \geq 0$ **Axiom 2** Congruent shapes have equal volume **Axiom 3** Non-overlapping: total volume = sum of parts

a)



$$3 \times 2 \times 2 = \text{ } \uparrow$$

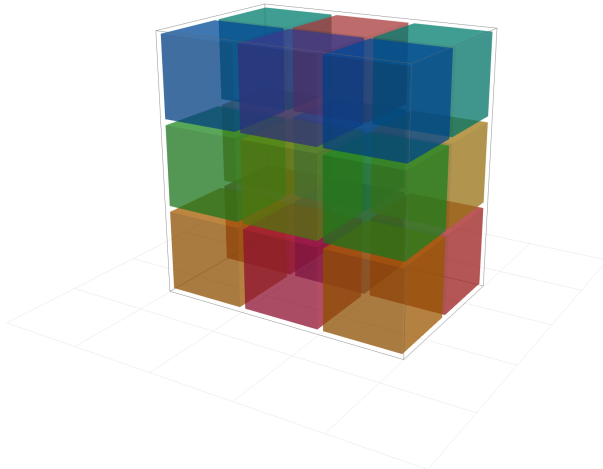
24. Volume Concepts



b)

长4、宽2、高3的长方体，数一数有多少个单位正方体？

$$4 \times 2 \times 3 = \boxed{} \text{ 个}$$

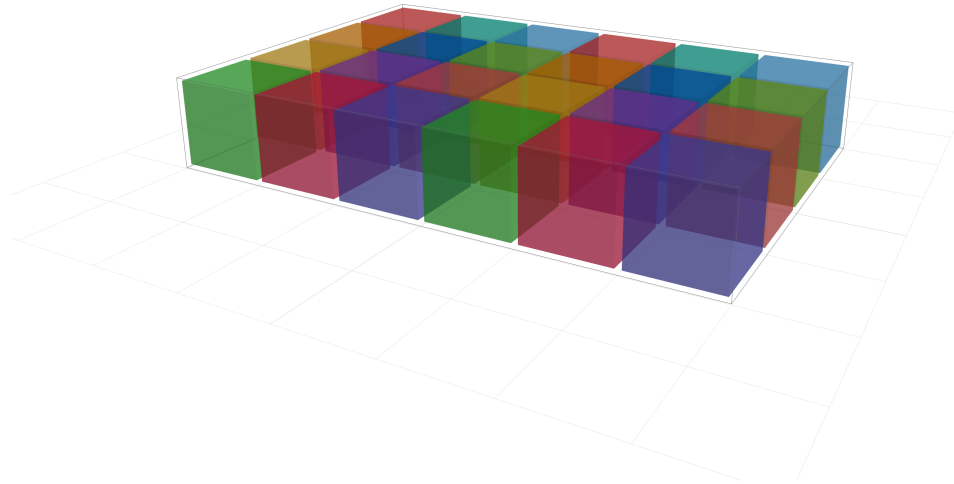


c)

长3、宽3、高2的长方体，数一数有多少个单位正方体？

$$3 \times 3 \times 2 = \boxed{} \text{ 个}$$

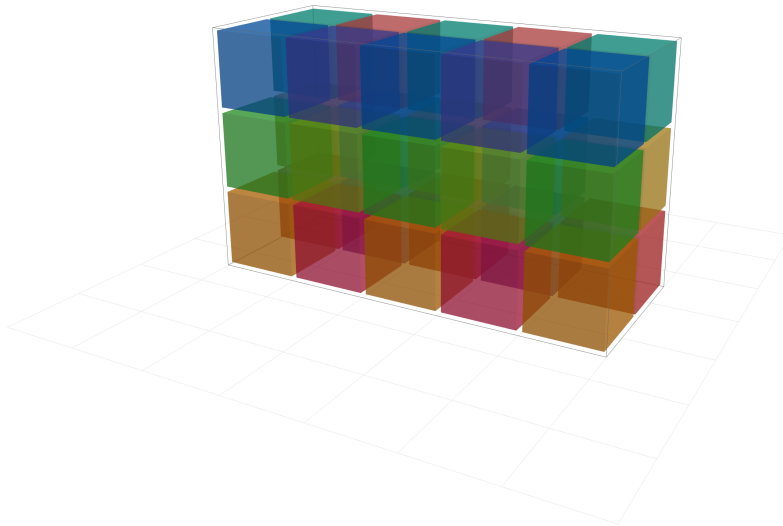
24. Volume Concepts



d)

长6、宽1、高4的长方体，数一数有多少个单位正方体？

$$6 \times 1 \times 4 = \boxed{} \text{ 个}$$



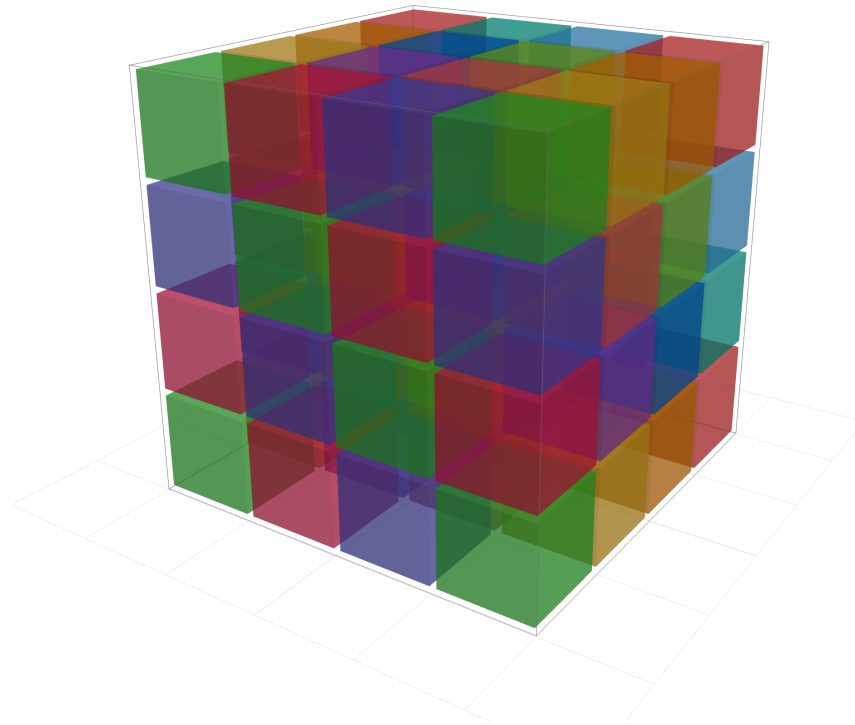
e)

长5、宽3、高2的长方体，数一数有多少个单位正方体？

$$5 \times 3 \times 2 = \boxed{} \text{ 个}$$

24. Volume Concepts

f)



$$4 \times 4 \times 4 = \boxed{} \text{ 个}$$