

Geometry

Skill 3 - 24G

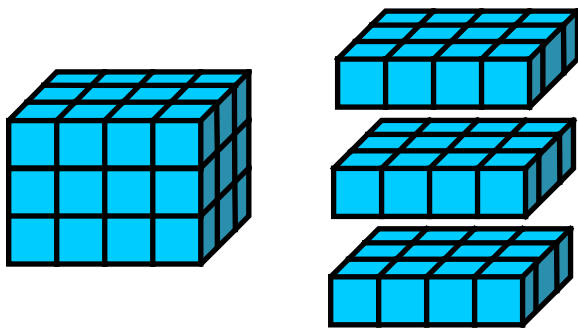
Volume

What is a solid figure? It is a 3 dimensional figure having width, depth and height. Some examples are cubes, pyramids, spheres and cylinders. The picture below is a solid or three dimensional figure.

Directions: Find the volume. Write the answer on the blank line.

EXAMPLE

Look at the solid figure as 3 layers.

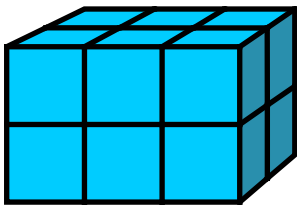


Volume = the number of layers multiplied by the number of cubes in each layer.

$$3 \times 12 = 36$$

$$\underline{\text{volume} = 36 \text{ cubic units}}$$

1.

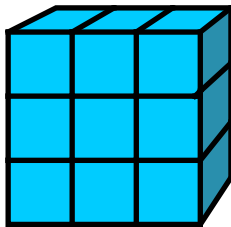


Number of layers? _____

Number of cubes in each layer? _____

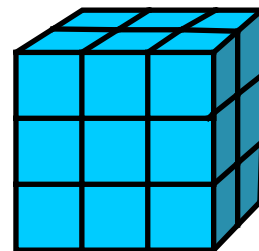
volume = _____ cubic units

2.



volume = _____ cubic units

3.



volume = _____ cubic units

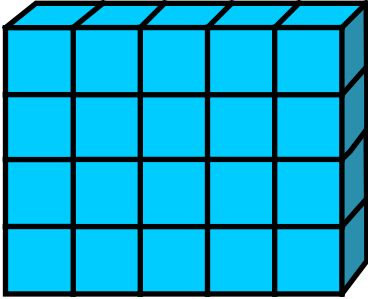
Geometry

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Volume

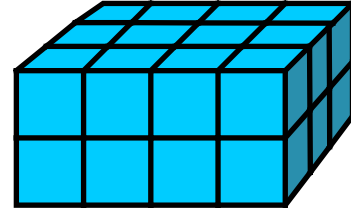
Directions: Find the volume. Write the answer on the blank line.

4.



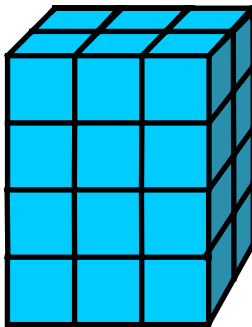
volume = _____ cubic units

5.



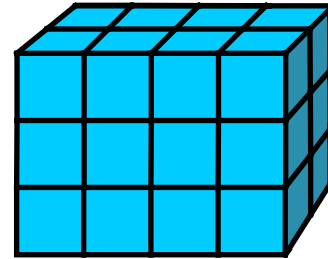
volume = _____ cubic units

6.



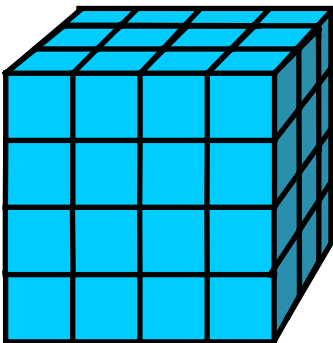
volume = _____ cubic units

7.



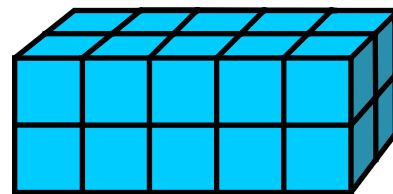
volume = _____ cubic units

8.



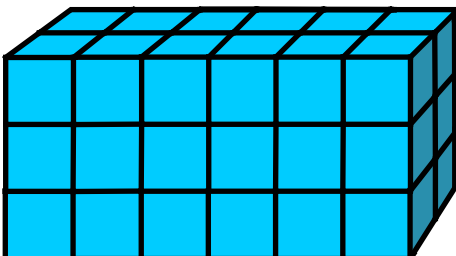
volume = _____ cubic units

9.



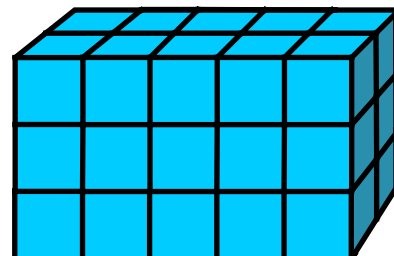
volume = _____ cubic units

10.



volume = _____ cubic units

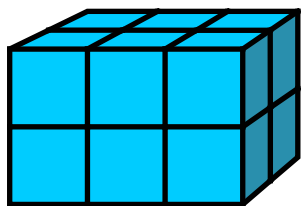
11.



volume = _____ cubic units

Answer Key
Skill 3 - 24G

1.



Number of layers? 2

Number of cubes in each layer? 6

$$2 \times 6 = 12$$

volume 12 cubic units

2.

3 layers x 3 cubes in each layer = 9

volume = 9 cubic units

3.

3 layers x 6 cubes in each layer = 18

volume = 18 cubic units

4.

4 layers x 5 cubes in each layer = 20

volume = 20 cubic units

5.

$$2 \times 12 = 24$$

volume = 24 cubic units

6.

$$4 \times 6 = 24$$

volume = 24 cubic units

7.

$$3 \times 8 = 24$$

volume = 24 cubic units

8.

$$4 \times 12 = 48$$

volume = 48 cubic units

9.

$$2 \times 10 = 20$$

volume = 20 cubic units

10.

$$3 \times 12 = 36$$

volume = 36 cubic units

11.

$$3 \times 10 = 30$$

volume = 30 cubic units