Name: _____ Date: _____

Answers

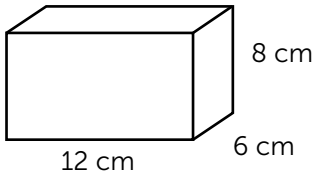
Base and Volume

Sometimes the length and width have already been multiplied together for you. When this happens, it is called the **base**. When you know the value of the base, all you have to do is multiply the base times the height to find the volume of the object.

base = length x width
volume = base x height

Directions: *Find the volume of each object using the base and height.*

Example:

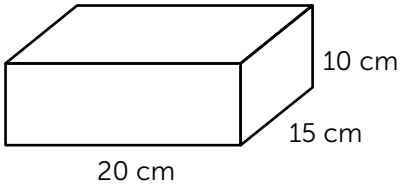


base = 12 x 6, so the base is **72 cm²**

To find the volume, multiple the base times the height.

V = base x height **V** = 72 x 8 **V** = **576 cm³**

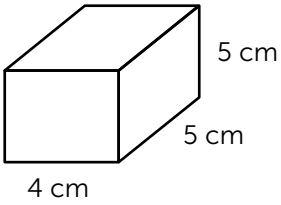
1.



base = 300 cm²

300 (base) x 10 (height) = 3000 cm³ (volume)

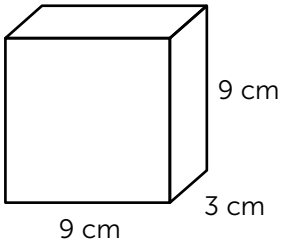
2.



base = 20 cm²

20 (base) x 5 (height) = 100 cm³ (volume)

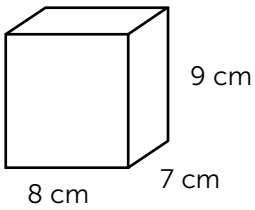
3.



base = 27 cm²

27 (base) x 9 (height) = 243 cm³ (volume)

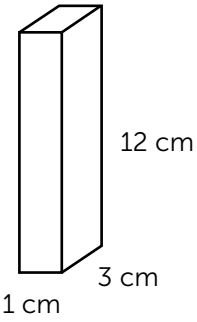
4.



base = 56 cm²

56 (base) x 9 (height) = 504 cm³ (volume)

5.



base = 3 cm²

3 (base) x 12 (height) = 36 cm³ (volume)

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