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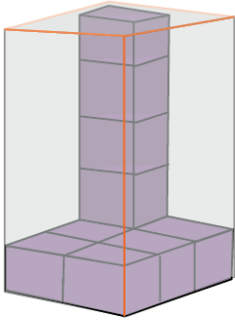
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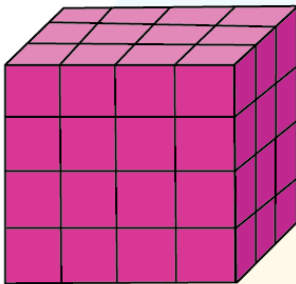
Volume of Rectangular Prism Worksheet III

- 1) Choose the number of unit cubes required to fill the prism.

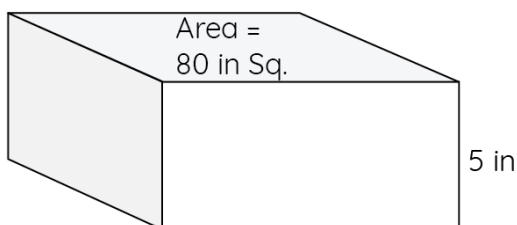


- a) 25 units cubes b) 20 units cubes c) 30 units cubes

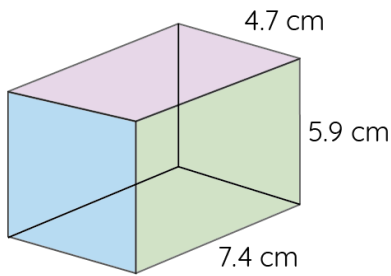
- 2) Find the volume of the rectangular prism given below by counting the unit cubes.



- 3) Find the volume of the rectangular prism when the base area and height of the prism are given in the picture shown below:



- 4) Find the volume of the given prism.

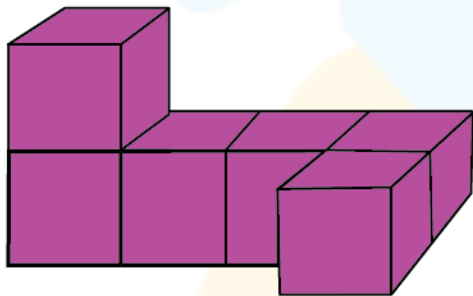


5) What is the height of a prism that has a volume of 800 cubic ft. and a base area of 100 sq. feet.

- a) 4 b) 6 c) 8 d) 5

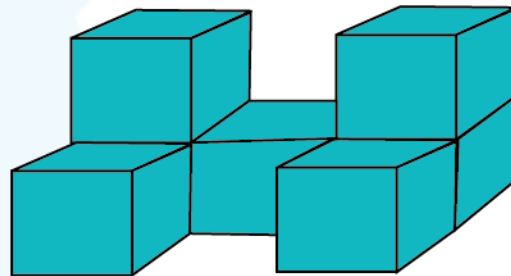
6) Sam has a cookie box whose length is 16 cm, width is 10 cm and height is 8cm. What is the volume of the box?

7) If each object is made with cubes with 1cm length, width, and height. What is the volume of the given objects?



cm^3

Figure - 1

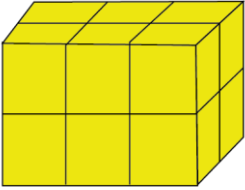
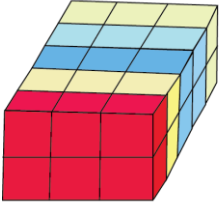
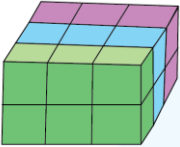
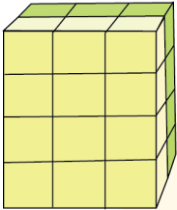


cm^3

Figure - 2

8) A block that is 3 inches wide, 4 inches long, and 2 inches tall. What is the volume of a tower that is built by 3 blocks?

9) Calculate the volume of a box with the base area 100 sq. units and height 5 units.

Prism	Volume
I. 	A. 24 Cubic Units
II. 	B. 18 Cubic Units
III. 	C. 30 Cubic Units
IV. 	D. 12 Cubic Units

10) Match the following:

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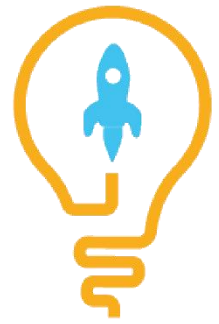
- Kirk Riley

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- Barbara Cabrera

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**ANSWERS**

1)	b). 20 unit cubes
2)	48 unit cubes
3)	400 cubic in.
4)	205.20 cubic units
5)	c). 8 ft.
6)	1280 cm. cube
7)	I. 6 II. 7
8)	The volume of a tower built by 3 blocks is 72 cubic inches
9)	500 cube units.
10)	I. d II. c III. b IV. a