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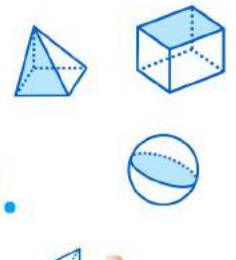

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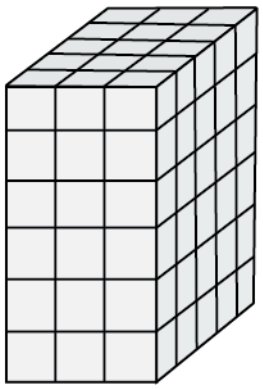
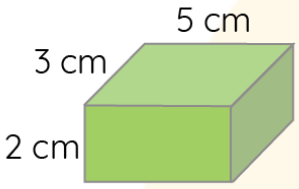
VOLUME OF RECTANGULAR PRISM WORKSHEET II

1) Choose the correct answer for the volume of the rectangular prism shown below by counting the unit cubes.



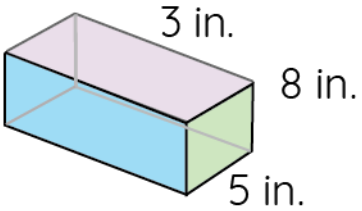
a) 63 cubic units b) 90 cubic units c) 86 cubic units.

2) Calculate the volume of the given rectangular prism if the length, breadth, and height are shown in the picture.



volume = _____

3) The volume of the given prism is _____ cubic in.

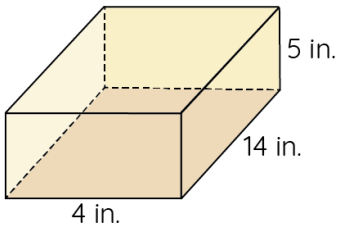


a) 69 b) 120 c) 110 d) 109

4) What will be the volume of a rectangular prism with a base area of 88 sq. units and a height of 10 units.

5) Calculate the height of rectangular prism with volume 500 cm cube and base area 100 cm square.

6) Choose the right option for the volume of the given prism:

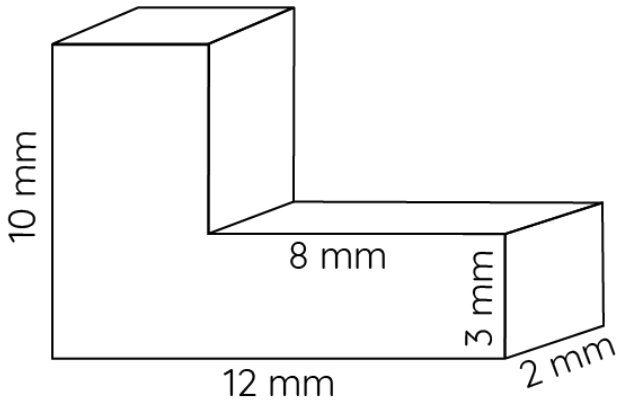


a) 250 in^3
b) 220 in^3
c) 280 in^3
d) 180 in^3

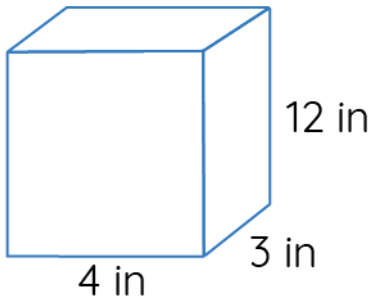
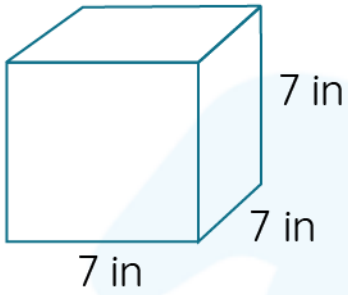
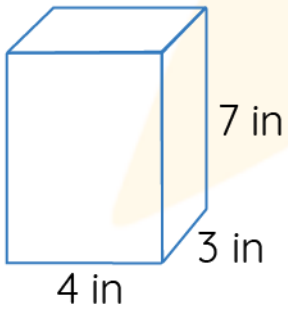
7) A rectangular pool is 30 ft. long, 12 ft. wide and 4 ft. deep. How much cubic ft. of water does the pool hold?

8) A gardening box has a base area of 84 sq ft. If the height of this gardening box is 1.5 ft. what will be the maximum amount of planting soil that can be used to fill the gardening box?

9) What is the volume of the given figure?



10) Match the following:

Prism	Volume
I. 	a. $343\ in^3$
II. 	b. $84\ in^3$
III. 	c. $144\ in^3$

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ANSWERS

1)	a) 90 cubic units
2)	30 cubic in.
3)	b) 120 cubic in.
4)	880 cubic units
5)	5 cm.
6)	c) 280 in^3
7)	1440 cubic ft.
8)	126 cubic ft.
9)	128 mm cube.
10)	I. - b II. - c III. - a