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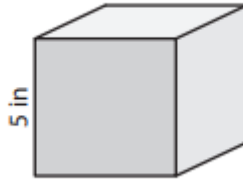
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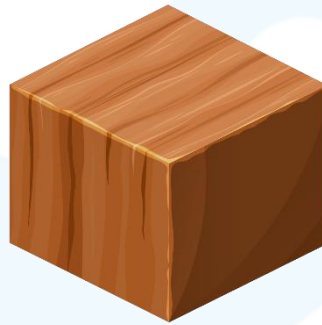
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Volume Of Cubes Worksheets

1) Find the volume of the following cube.



2) The length of each side of a cubical wooden block is 16 inches. What is the volume of the block?



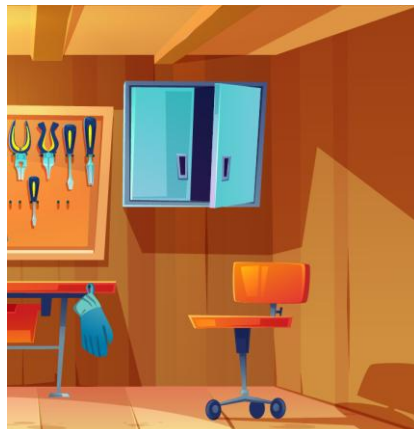
3) Fill in the blank.

The volume of a cubical box = _____ .

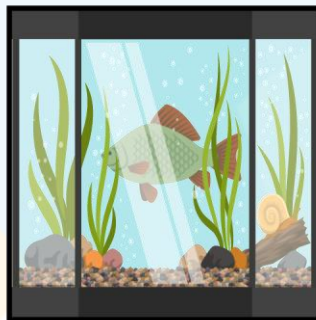
4) A cube with an edge of 7 cm and a cuboid measuring $7\text{ cm} \times 4\text{ cm} \times 8\text{ cm}$ are kept on a table. Which shape has more volume?

[Hint: Volume of a cuboid = $l \times b \times h$ cubic units]

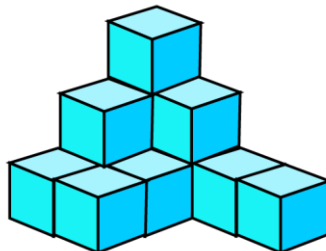
5) Harry's cube shaped shelf has each side measuring is 11 in. What is the volume of the book shelf?



- 6) A cubical box is formed by joining smaller cubical boxes with each cube having a volume of 2 cubic units. Find the total number of boxes used if the volume of the bigger box is 22 cubic units.
- 7) If the length of a cube is made twice, its volume will become _____ the original.
- a) Remain unchanged to
 - b) Twice
 - c) Four times
 - d) Eight times
- 8) Find the side of the cube whose volume is 343 cubic units.
- 9) A cubical water tank has a height of 4.6 inches. How much water can the tank hold? Round your answer to two decimal places.



- 10) Choose the correct option.
The volume of the shape formed by the cubes with 1 cubic unit volume is _____.



- a) 8 cubic units
- b) 11 cubic units
- c) 12 cubic units
- d) 9 cubic units

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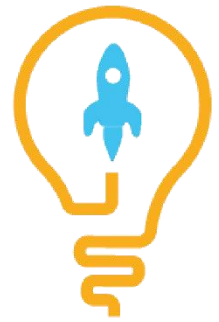
- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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**ANSWERS**

1)	125 cubic inches
2)	4096 cubic inches
3)	(side)³ cubic units
4)	The given cube has more volume.
5)	1331 cubic inches
6)	11 boxes
7)	d)
8)	7 units
9)	97.34 cubic inches
10)	c)

FUN FACT

1. A cube is a three dimensional shape that features all right angles and a height, width and depth that are all equal.
2. A square is in many ways like a cube, only in two dimensions rather than three.
3. 11 different 'nets' can be made by folding out the 6 square faces of a cube.

