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For Grades 1 - 10



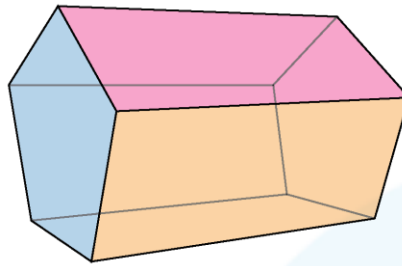
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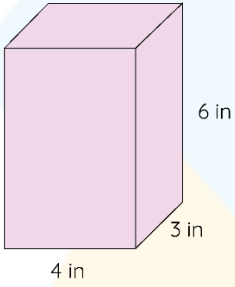
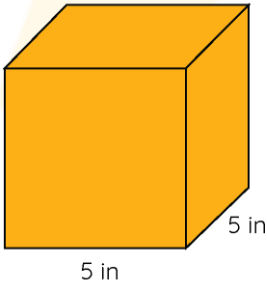
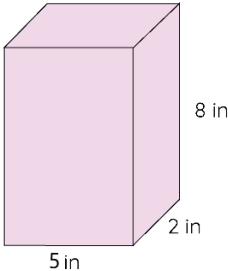
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Area and Volume Worksheets

- 1) Find the volume of the given figure if the area of the pentagonal base is 33 units and height of the prism is 12 units.



- 2) Match the following:

Shape	Volume
i) 	a) 90 in^3
ii) 	b) 125 in^3
iii) 	c) 72 in^3

- 3) Find the area of a circle if the radius of circle is 77 in.
- 4) What will be the volume of a cube of length 22 ft?
- 5) Bianca bought a Rubik's cube. If the volume of the cube is 125 cubic in. Find the total surface area of the Rubik's cube.
- 6) Find the total surface area of a cuboid of height 12 in, width 14 in and breadth 15 in.
- 7) Find the volume of a hemi-sphere if the radius of the hemisphere is 21 ft.
- 8) Find the area of a square if the length of the diagonal of the square is $4\sqrt{2}$ units.
- 9) Find the volume of a cone of length if the radius is 16 units and height of the cone is 12 units.
- 10) What will be the area of an equilateral triangle of side length 23 units.

When you learn math
in an interesting way,
you never forget.



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Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

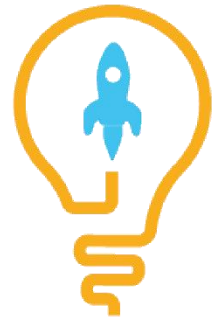
- Kirk Riley

"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)	396 cubic units
2)	i- c ii- b iii- a
3)	18634 sq. in
4)	10648 cubic ft
5)	150 sq. in
6)	2520 cubic in
7)	19404 cubic ft
8)	16 sq. units
9)	3216.99 cubic units
10)	229.06 sq units

FUN FACT

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

