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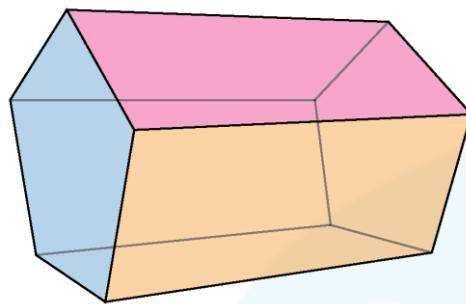
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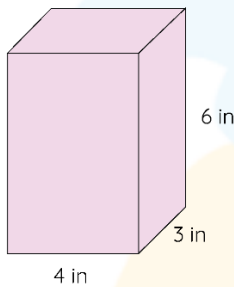
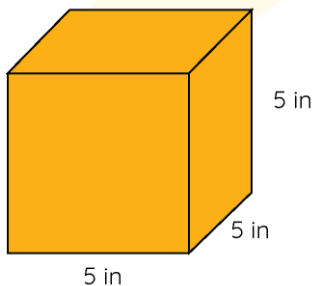
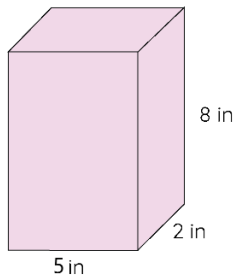
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PERIMETER, AREA, AND VOLUME WORKSHEET, III

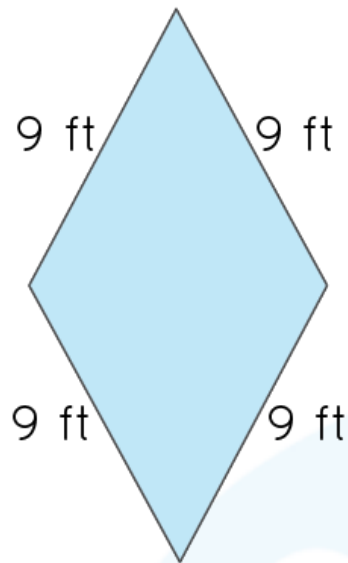
- 1) Find the volume of the given figure if the area of the pentagonal base is 33 units and height of the prism is 12 units.



- 2) Match the following:

Shape	Volume
<p>i)</p> 	a) 90 in^3
<p>ii)</p> 	b) 125 in^3
<p>iii)</p> 	c) 72 in^3

3) Find the perimeter of the given figure:

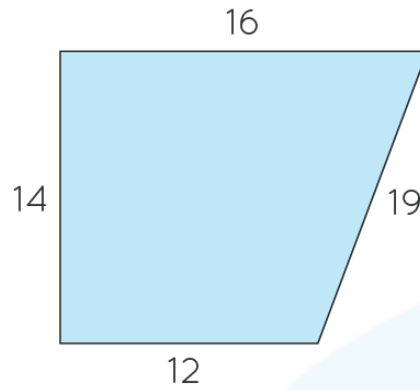


- 4) What will be the volume of a cube of length 22 ft?
- 5) Bianca bought a Rubik's cube. If the volume of the cube is 125 cubic in. Find the total surface area of the Rubik's cube.
- 6) Find the total surface area of a cuboid of height 12 in, width 14 in and breadth 15 in.
- 7) Find the volume of a hemi-sphere if the radius of the hemisphere is 21 ft.
- 8) Match the following:

Shapes	Perimeter
a) Square with side length 10 in	i) 35 in
b) Rectangle with length 8 in and breadth 4 in	ii) 40 in
c) Triangle with side lengths 10m, 17m and 8m	iii) 24 in
d) Regular pentagon with side 4.5m	iv) 22.5 in

9) Find the volume of a cone of length if the radius is 16 units and height of the cone is 12 units.

10) Find the perimeter of the given shape:



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- 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."

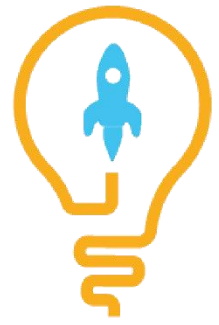
- Kirk Riley

"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
2)	i-c ii-b iii-a
3)	36
4)	10648
5)	5
6)	1116
7)	19396.195
8)	a)-ii b)-iii c)-i d)-iv
9)	3216.99
10)	61

FUN FACT

- 1) Perimeter of a circle is referred to as its Circumference.
- 2) The length and width of a rectangle called its dimensions.
- 3) Area is measured in square units.

