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**PERIMETER, AREA, AND VOLUME WORKSHEET, IV**

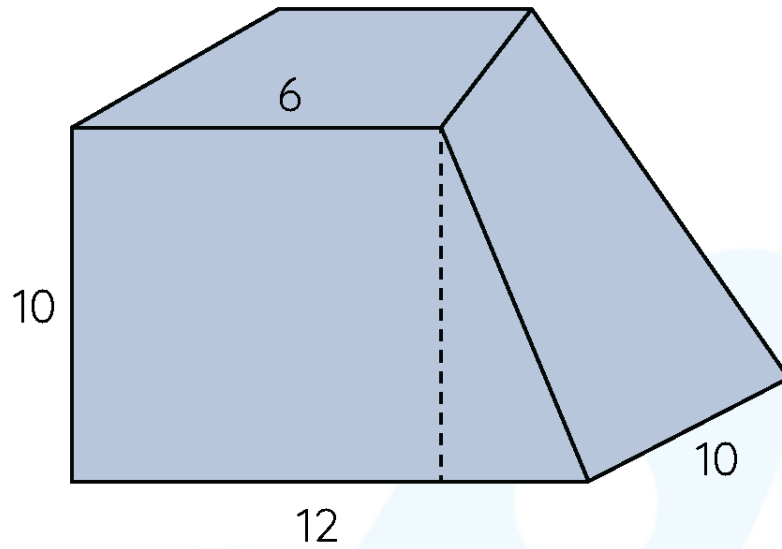
- 1) Find the volume of the given object if the area of the base is 45 square units and height of the vessel is 10 units.



- 2) What will be the area of octagonal Ferris wheel of side length 110 in? {Please note: all the sides of the octagon are equal.}
- 3) Find the distance travelled by Levin if he takes 6 rounds of a rectangular park of dimensions 14 ft  $\times$  22 ft.
- 4) What will be the volume of a sphere of radius 6 in?
- 5) The breadth of a rectangular field is 30 in., and its length is 20 in. Find the cost of fencing it at \$ 50 per in.
- 6) Ivan bought a circular bed for his pet cat. He wants to know the area of the bed. Find the area of the bed if the length of the diameter of the bed is 290 in.
- 7) What will be the height of the triangle of area 120 sq. ft with base length 40 units?
- 8) If the length of the diagonals of a rhombus are 14 units and 18 units respectively. Find the area of the rhombus.

9) The breadth of a rectangular field is 40 in., and its length is 60 in. Find the cost of fencing it at \$ 20 per in.

10) What will be the volume of the given figure?



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in an interesting way,  
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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."

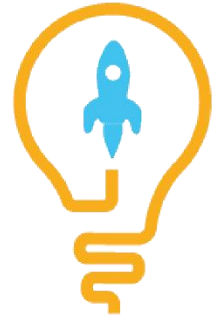
- Kirk Riley

"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)	450
2)	31436.72
3)	216
4)	904.78
5)	\$5000
6)	66051.99
7)	60
8)	126
9)	\$4000
10)	900

## FUN FACT

- 1) Rectangles are also referred to as elongated squares.
- 2) Two rectangles with same perimeter may have different areas.
- 3) Perimeter of a square and a rhombus can be calculated using same formula,  $4 \times \text{side}$ .

