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For Grades 1 - 10



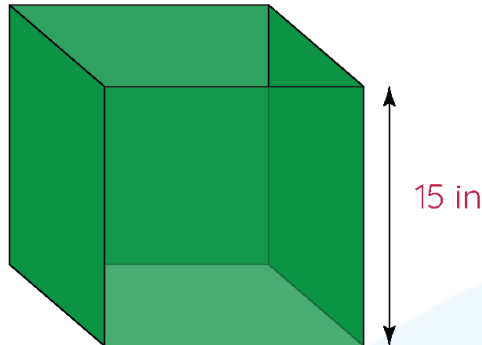
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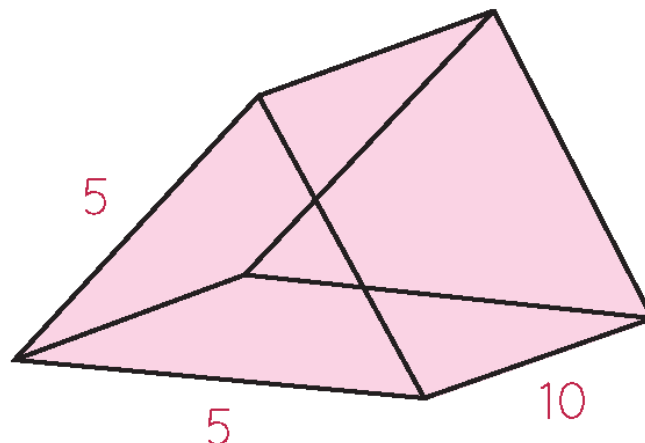
Area and Volume Worksheets

- 1) What will be the volume of the given object?

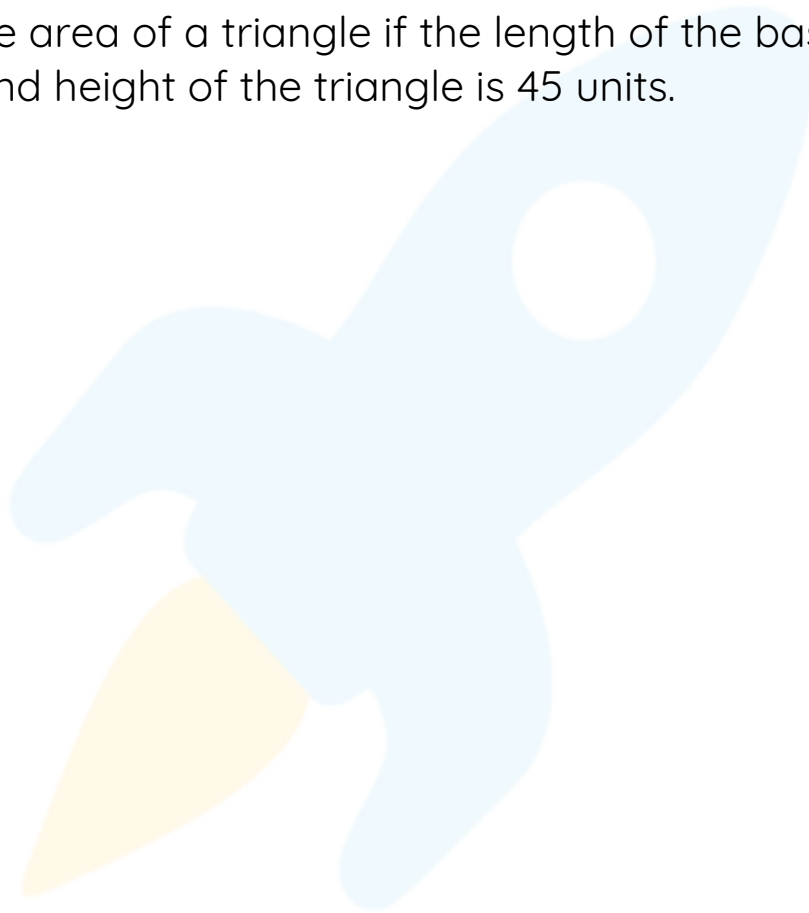


Square prism

- 2) Find the volume of a cylinder with base radius 7 in and height 14 in.
- 3) What will be volume of a hexagonal prism if the height of prism is 20 ft and area of the base is 300 sq. ft.?
- 4) What will be the volume of a sphere of radius 55 ft?
- 5) If the volume of a cone is same as the volume of a sphere. Find the height of the cone if the radius of sphere and cone are equal and measures 1 in.
- 6) What will be the volume of the given prism?



- 7) Trevor bought a cylindrical vessel of radius 40 in. He wants to know the quantity of water that vessel can hold. Find the volume of the vessel if the height of the vessel is 50 in.
- 8) What will be area of a rectangular garden of length 20 yard in and width 30 yard?
- 9) Find the area of a circle of radius 14 in.
- 10) Find the area of a triangle if the length of the base is 56 units and height of the triangle is 45 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."

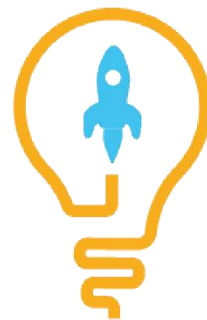
- Kirk Riley

"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) | 3375 cubic in |
| 2) | 2156 cubic in |
| 3) | 6000 cubic ft |
| 4) | 6.97×10^5 cubic in |
| 5) | 4 in |
| 6) | 108.7 |
| 7) | 2.51×10^5 cubic in |
| 8) | 600 sq. yd. |
| 9) | 616 sq. in |
| 10) | 1260 sq. units |

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.

