

# Volume Worksheet

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1. Find the volume of a rectangular prism with a length of 5 centimeters, a width of 4 centimeters, and a height of 2 cm. *Solve this like a boss.*
2. Find the volume of a rectangular pyramid that has base dimensions of 10 inches by 20 inches and a height of 45 inches. *Make sure you also solve this like a boss.*
3. A cone has a base with a radius of 4 meters and a height of 11 meters. Find the volume **like a boss**.
4. A triangular pyramid has a base with a base of 3 feet and a height of 2 feet. The height of the pyramid (not the base of the pyramid) is 6 feet. What is the volume of the triangular pyramid? *(Solve this one like an employee).*
5. A triangular pyramid has a base with a height of 12 units and two sides (that are not the base) of 14 units and 29 units. The height of the triangular pyramid is 32 units. What is the *volume of this pyramid?*
6. A triangular pyramid has a equilateral triangle with a height of 10 inches. The height of the triangular pyramid is 25 inches. What is the volume of the pyramid?
7. A cylinder has a base with a radius of 5 centimeters and a height of 15 centimeters. What is the volume of the cylinder?
8. A triangular prism has a right triangle as the base, it has a hypotenuse of 5 inches and a leg of 4 inches. The height of the prism is 12 inches. What is the volume of the prism? *Solve this one like an assistant to the VP of sales.*
9. A sphere has a radius of 10 centimeters. What is the volume of the sphere?
10. A prism has a length of 2 centimeters, a width of 3 centimeters, and a height of 4 centimeters. What is the volume and surface area of this prism? **Answer this one like a middle manager.**