Name _____

# Approximation

Estimate the Volume.

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|---|---|
| 1) A cylindrical water tank has a radius of approximately 4.3 feet and a height of 10.2 feet. Estimate the volume of the water tank using $\pi = 3.14$.<br><br>Answer : 502.4 cubic feet | 2) A storage container has a length of about 9.8 meters, a width of 5.2 meters, and a height of 6.3 meters. Estimate the volume of the container.<br><br>Answer : 300 cubic meters |
| 3) A small box is shaped like a cube with each side measuring approximately 7.4 centimeters. Estimate the volume of the box.<br><br>Answer : 343 cubic centimeters | 4) A soup can has a radius of approximately 3.1 inches and a height of 7.4 inches. Estimate the volume of the soup can using $\pi = 3.14$.<br><br>Answer : 197.82 cubic inches |
| 5) A cylindrical pillar has a radius of approximately 1.8 meters and a height of 12.6 meters. Estimate the volume of the pillar using $\pi = 3.14$.<br><br>Answer : 150.72 cubic meters | 6) A storage cube has a side length of approximately 4.6 feet. Estimate the volume of the cube.<br><br>Answer : 125 cubic feet |
| 7) A rectangular fish tank has a length of approximately 15.8 inches, a width of 9.2 inches, and a height of 11.3 inches. Estimate the volume of the tank.<br><br>Answer : 1,584 cubic inches | 8) A cylindrical jar has a radius of approximately 3.8 inches and a height of 15.6 inches. Estimate the volume of the jar using $\pi = 3.14$.<br><br>Answer : 804.25 cubic inches |