

Water Tank Depth  
Practice Problems

1. A water tank that has a height of 25ft (7.625m) and a diameter of 10ft (3.05m) currently holds a volume of 11,890 gallons (45,005 liters). What is the depth of the water at that volume?
  - A. 10ft (3.1m)
  - B. 20ft (6.2m)
  - C. 25ft (7.6m)
  - D. 30ft (9.2m)
  
2. There is currently 1,205,554 gallons (4,563,022 liters) of water in a cylindrical tank that has a diameter of 75ft (22.875m). When the tank is full, the depth can reach 50ft (15.25m). What is the current depth of the water in the tank?
  - A. 17ft (5.2m)
  - B. 20ft (6.1m)
  - C. 37ft (11.1m)
  - D. 50ft (15.3m)
  
3. A tank supplies water to a downtown area of a medium size city. The tank's diameter is 24ft (7.32m). The tank currently contains 31,657 gallons (119,822 liters) of water. What is the depth of the water currently in the tank?
  - A. 9ft (2.8m)
  - B. 12ft (3.7m)
  - C. 15ft (4.6m)
  - D. 24ft (7.3m)