

Volume

1. An office orders a fish tank that measures 10 feet long by 4 feet high by 3 feet wide. What is the tank's volume in cubic feet? If a cubic foot is about 7.5 gallons of water, how many gallons of water will the tank hold?
2. A circular pool is 6 feet deep, and has a diameter of 16 feet. What is its volume in cubic feet? How many gallons will the pool hold? (Approximate π to 3.14.)

Answers: 1) 120 cubic feet, 900 gallons 2) about 1206 cubic feet, about 9043 gallons