TOPIC
Fluids

QUESTION
A boat floating on a lake (density of water = 62.4 lb/ft$^3$) displaces 125 cu-ft of water. The mass of the boat in tons most nearly is
   (A) 0.26
   (B) 1.4
   (C) 3.9
   (D) 998

HINTS
• Balance the forces in the vertical direction
• Apply Archimedes Principle

ANSWER
(C)

CONTRIBUTOR
This question of the day was provided by the courtesy of Professor Scott Campbell of the University of South Florida from the book FE Practice Exam With Complete Solutions