

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](#)