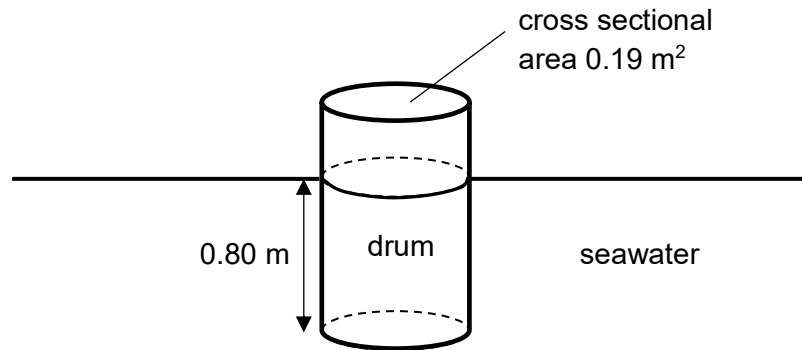


- 5 An oil-drum floats in equilibrium in seawater as shown.

The drum has a cross-sectional area of 0.19 m^2 . The length of the drum submerged under water is 0.80 m . The density of seawater is $1.1 \times 10^3 \text{ kg m}^{-3}$.



What is the mass of the drum and its content?

- A** 167 kg **B** 251 kg **C** 1640 kg **D** 1770 kg