Experimental Problem

Determining the density of alcohol

Determine the density of the alcohol provided.

LIST OF AVAILABLE MATERIALS AND INSTRUMENTS

- A test tube.
- A 500 ml graduated cylinder.
- A pipette (without graduations).
- Distilled water; assume the density of water is 1,0 g/cm .
- Alcohol.
- Ballast (steel shot).
- A ruler with millimetre graduations.
- A piece of card with a hole.
- Adhesive tape.
- Millimetre graph paper.
- Absorbent paper.

QUESTIONS:

a) Clearly describe your chosen procedure, explaining both its theoretical and experimental basis.

b) Determine the density of the alcohol provided.

c) Estimate the error in your result.