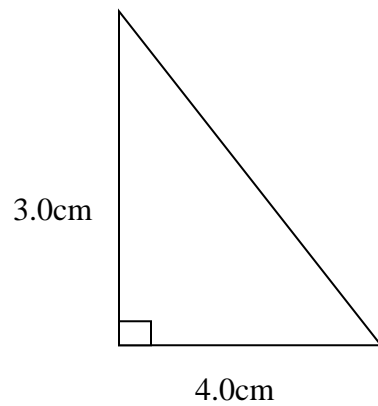


7. A block of glass is 5.0 cm long, 4.0cm thick and 2.5cm high. Calculate its volume.(3mks)

8. Calculate the area of a triangle whose base is 4.0cm and its height is 3.0cm. (3 mks)



9. The mass of 25cm^3 of ivory was found to be 0.045kg. Calculate the density of ivory in SI unit. (4mks)

10. 100cm^3 of fresh water density 1000kg/m^3 is mixed with 100cm^3 of sea water of density 1030kg/m^3 . Calculate:-

- i. Mass of fresh water.
- ii. Mass of sea water. (1 mk)
- iii. Mass of the mixture. (1 mk)
- iv. Volume of the mixture (1 mk)
- v. The density of the mixture. (2 mk)

11. The density of water is 1g/cm^3 express in kg/m^3 . (1 mk)

12. Explain the relationship between the following.

- i. Physics and mathematics. (1mks)
- ii. Physics and chemistry. (1mks)

13. Give two reasons for studying Physics.

(2 mks)