

Dr Oliver Mathematics
Worked Examples
Mass, Density, and Volume 2

From: Edexcel 2019 November Paper 3H (Calculator)

1. Liquid *A* and liquid *B* are mixed together in the ratio 2 : 13 by volume to make liquid *C*. (4)

Liquid *A* has density 1.21 g/cm^3 .

Liquid *B* has density 1.02 g/cm^3 .

A cylindrical container is filled completely with liquid *C*.

The cylinder has radius 3 cm and height 25 cm.

Work out the mass of the liquid in the container.

Give your answer correct to 3 significant figures.

You must show all your working.