

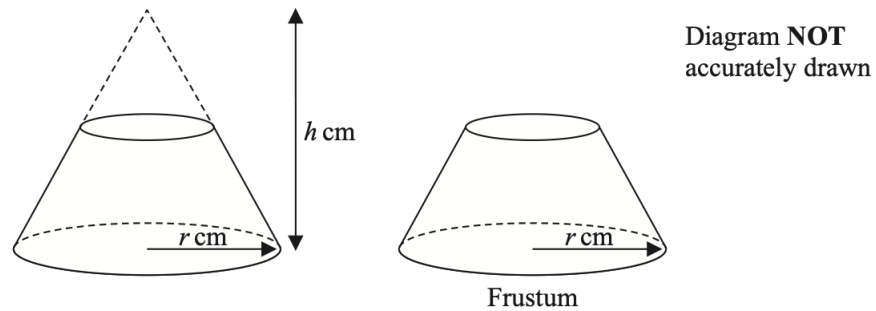
Dr Oliver Mathematics

Worked Examples

Frustum 1

From: IGCSE 2018 June 1H, Q16

1. A frustum is made by removing a small cone from a large cone.
The cones are mathematically similar.



The large cone has base radius r cm and height h cm.

Given that

$$\frac{\text{volume of frustum}}{\text{volume of large cone}} = \frac{98}{125},$$

find an expression, in terms of h , for the height of the frustum.