

Dr Oliver Mathematics
Worked Examples
Length, Area, and Volume 1

From: Edexcel 2018 November Paper 1H (Non-Calculator)

1. Three solid shapes **A**, **B**, and **C** are similar. (4)

The surface area of shape **A** is 4 cm^2 .

The surface area of shape **B** is 25 cm^2 .

The ratio of the volume of shape **B** to the volume of shape **C** is $27 : 64$.

Work out the ratio of the height of shape **A** to the height of shape **C**.

Give your answer in its simplest form.