Dr Oliver Mathematics
Worked Examples
Ratio 5

From: Edexcel GCSE 2022 November Paper 3H (Calculator)

1. There are four boxes on a shelf: **A**, **B**, **C**, and **D**. (4)

   The total weight of **A** and **B** is 3 times the total weight of **C** and **D**.

   The weight of **A** is $\frac{2}{3}$ of the weight of **B**.
   The weight of **C** is 75% of the weight of **D**.

   Find the ratio

$$\text{weight of } \mathbf{A} : \text{weight of } \mathbf{B} : \text{weight of } \mathbf{C} : \text{weight of } \mathbf{D}.$$