12 **A**, **B** and **C** are three solid spheres.

Sphere **A** has a volume of $64\,\text{cm}^3$
Sphere **B** has a volume of $125\,\text{cm}^3$

The radius of sphere **C** is 50% of the radius of sphere **B**.

Work out the ratio of the surface area of sphere **A** to the surface area of sphere **C**.
Give your answer in the form $a : b$ where a and b are integers.

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(Total for Question 12 is 4 marks)