University of BRISTOL

Fermi Challenge

(by Thilo Gross)

Here are three quick questions. Try to use Fermi estimates to find answers.

I want to build a classical redbrick house in Bristol. It will be a 2 bedroom property. How many bricks do I need?

$$A =$$

A plumber in London cleans out the drains of a laundrette. This yields enough small change to fill a 5l bucket. Estimate the value of the change (in pound), assuming a typical mixture of coins.

$$B =$$

Consider a city with about 1 million residents, e.g. greater Manchester. How many playgrounds could we build on an area that is as large as the combined area taken up by parking spaces in the city?

$$C =$$

Now multiply your answers

$$A \cdot B \cdot C =$$