

ZMATH 2016a.00911

Albarracín, Lluís; Gorgorió, Núria

A brief guide to modelling in secondary school: estimating big numbers.

Teach. Math. Appl. 34, No. 4, 223-228 (2015).

Summary: Fermi problems are problems which, due to their difficulty, can be satisfactorily solved by being broken down into smaller pieces that are solved separately. In this article, we present different sequences of activities involving Fermi problems that can be carried out in Secondary School classes. The aim of these activities is to discuss problem-solving strategies and to introduce modelling processes in compulsory education.

Classification: M13 M14 D53 D54 D83 D84

Keywords: modeling; Fermi problems; problem solving; estimation

doi:10.1093/teamat/hrv006