

**ZMATH 2013a.00574**

**Valverde, Gabriela; Castro, Encarnación**

**Prospective elementary school teachers' proportional reasoning.**

PNA 7, No. 1, 1-19 (2012).

Summary: We present the findings of a study on prospective elementary teachers' proportional reasoning. After describing some of the teachers' performance in solving multiplicative structure problems that involve ratios and relations of direct proportionality between quantities, we were able to establish classifications of their answers according to various categories of proportional reasoning.

Resumen: Presentamos los resultados de un estudio sobre el razonamiento proporcional de futuros maestros de educación primaria. Describimos las actuaciones manifestadas por un grupo de estudiantes de magisterio de la Universidad de Granada al resolver problemas de estructura multiplicativa que involucran razones y relaciones de proporcionalidad directa entre cantidades. Encontramos que sus respuestas se clasifican en distintas categorías de razonamiento proporcional.

*Classification:* F89 B50

*Keywords:* direct proportionality; multiplicative structure problems; proportional reasoning; prospective elementary school teachers

[http://www.pna.es/Numeros2/pdf/Valverde2012PNA7\(1\)Prospective.pdf](http://www.pna.es/Numeros2/pdf/Valverde2012PNA7(1)Prospective.pdf)