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Norms in finite Galois extensions of the rationals. (English) [Zbl 0686.12006](#)
[Int. J. Math. Math. Sci. 13, No. 4, 811-812 \(1990\)](#).

It is shown that, except for a certain special case, a rational number is a norm in a given finite Galois extension of the rationals if and only if this number is a local norm at a certain finite number of places in a certain finite abelian extension of the rationals.

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MSC:

[11R37](#) Class field theory

[11R04](#) Algebraic numbers; rings of algebraic integers

Keywords:

[rational number](#); [norm](#); [finite Galois extension](#)

Full Text: [DOI](#) [EuDML](#)