



REAL ARITHMETIC

Why

What are addition and multiplication for reals? What are the identity elements?

Definition

We call the operation of forming real sums *real addition*. We call the operation of forming real products *real multiplication*.

Results

It is easy to see the following.¹

Distributive

Proposition 1. *For reals $x, y, z \in \mathbf{Z}$, $x \cdot (y + z) = x \cdot y + x \cdot z$.*²

¹Nonetheless, the full accounts will appear in future editions.

²An account will appear in future editions.

