



## 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.<sup>1</sup>

## Distributive

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

---

<sup>1</sup>Nonetheless, the full accounts will appear in future editions.



