

## 0.1 | Numbers

algebra:

algebra is doing stuff to things

- idea of a number changes – 500y ago they didn't know about negs

natural numbers are the most natural, apparently 0 not in natural, 0 in whole

$\mathbb{Z}$  for integers, counting in German

rational numbers:  $a/b$   $a, b \in \mathbb{Z}$

real numbers: infinite all the way down way more real numbers than rational numbers