

# Advent of Mathematical Symbols

integers

(whole numbers)

$$\mathbb{Z} = \{\dots, -2, -1, 0, 1, 2, \dots\}$$



associative:  $a + (b + c) = (a + b) + c$

neutral element:  $a + 0 = 0 + a = a$

inverse elements:  $a + (-a) = (-a) + a = 0$

together with addition +: group: