Supplementary material

This document provides additional visualisations of the results from the numerosity estimation task, the numerosity comparison task, and the calculation task.
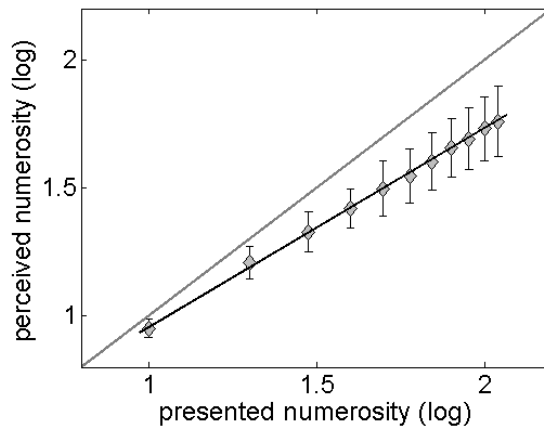
Numerosity estimation task

Figure S1: Numerosity estimation results. Log-Log regression of presented numerosities (x-axis) on typed numerosities (y-axis). Data are plotted as black diamonds. Least square linear regression is superimposed in black. Error bars indicate standard error of the mean. All numerosities are shown on a log10-scale. Grey diagonal indicates a regression with intercept zero and slope of one. Values below the grey line indicate underestimation.
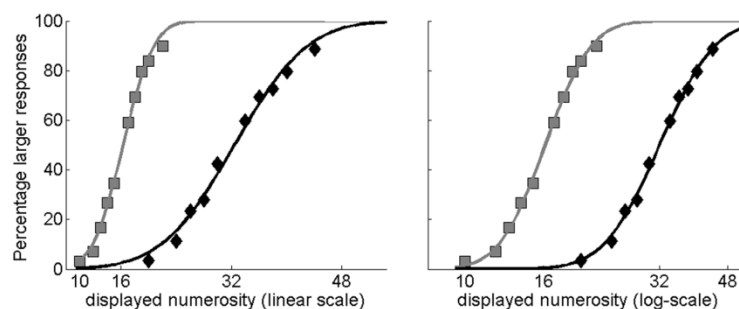
Numerosity comparison task

Figure S2: Percentage of "larger"-responses plotted against the deviant numerosities for the two standard numerosities 16 (grey) and 32 (black). Left: deviant numerosities are plotted on a linear scale. Right: deviant numerosities on a log-scale.
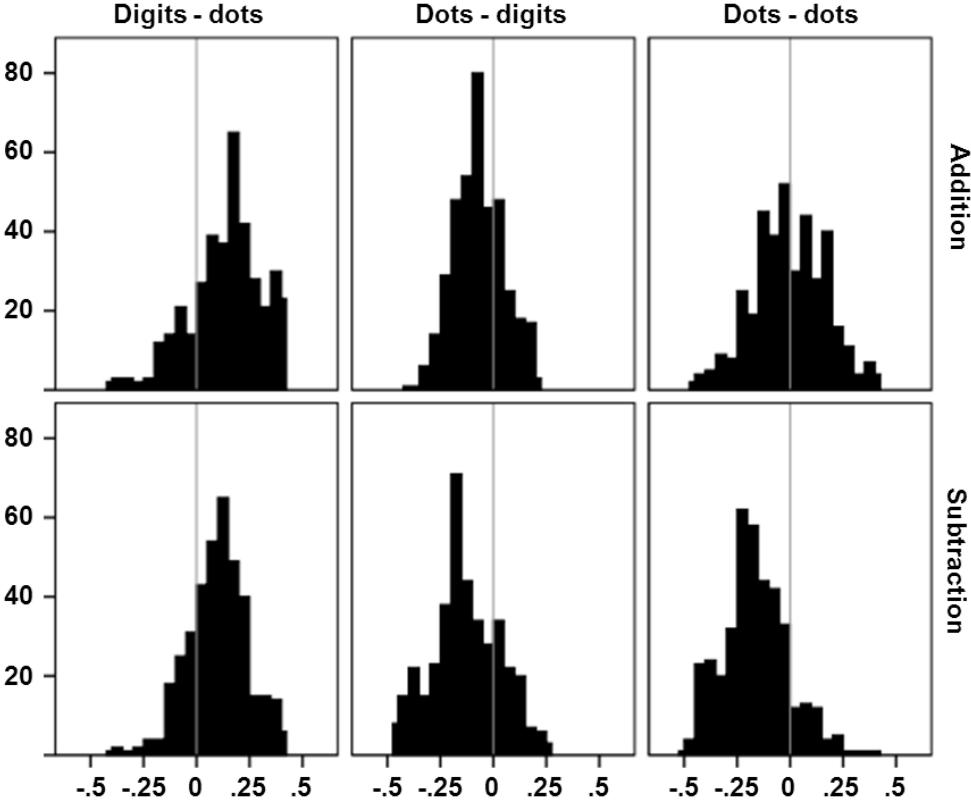
Calculation task

Figure S3: Histograms showing the distribution of response bias (chosen value - correct value), separately for each notation (columns) and operation (rows). Grey vertical line indicates correct performance (i.e. zero difference between chosen value and correct outcome).