Online Resource 4: Supplementary Figures Plasticity of left perisylvian white-matter tracts is associated with individual differences in math learning

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**Supplementary Fig. 1 High reliability of tract-identification.** From left to right, boxplots represent reliability of the left and right fronto-parietal section of the SLF (SLF-FP), fronto-temporal section of the SLF (SLF-FT), and parieto-temporal section of the SLF (SLF-PT). The within-subject overlap of the SLF tracts was quantified using the

Bhattacharyya coefficient, which has a maximum value of 1 (perfect overlap) and a minimum value of 0 (no overlap). An overlap of about 0.8 was considered an almost perfect overlap. The maximum average overlap was found for the right SLF-PT and the minimum overlap for the left SLF-FP.



Supplementary Fig. 2 Performance gains are marginally correlated with FA changes in the fronto-parietal part of the right superior longitudinal fasciculus (SLF-FP) Performance efficiency was assessed using a composite of standardized accuracy and reaction time (RT) scores on addition and subtraction tasks (N = 18). FA = fractional anisotropy; p = .051