

Children's MATH ANXIETY

development from 1st to 2nd grade



1 Low math anxiety

Norwegian children's ($n = 264$) level of experienced math anxiety remained stable and rather low from first to second grade



2 Math skills improved

Children improved in their arithmetic and symbolic numerical magnitude processing (SNMP) skills

3 Links between math skills

Improvement in SNMP was linked with improvement in arithmetic skills



4 Links to math anxiety

Math anxiety was more connected with change in arithmetic skills than with change in SNMP

5 Individual differences

Teachers should be aware that despite the children generally display little math anxiety, significant individual differences exist in both these experiences and how they change over time



6 Calls for a sensitivity

Findings call for a sensitivity to children's experiences in math anxiety and constructive means to support when a school subject becomes intimidating

Mononen, R., Niemivirta, M., Korhonen, J., Lindskog, M., & Tapola, A. (2021). Developmental relations between mathematics anxiety, symbolic numerical magnitude processing, and arithmetic skills from first to second grade. *Cognition and Emotion*. Advance online publication (open access): <https://doi.org/10.1080/02699931.2021.2015296>