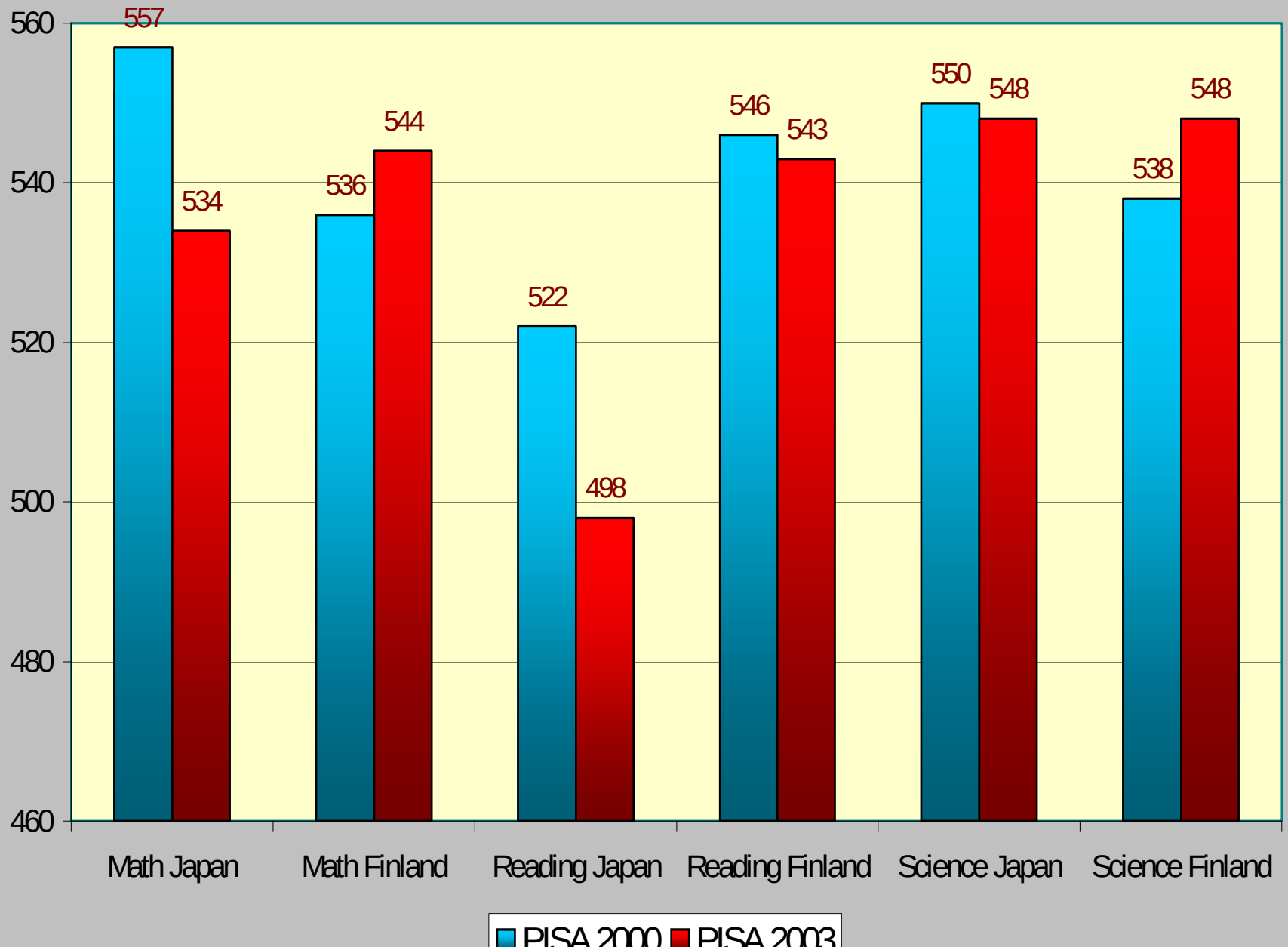
Seminar on Education and Reform in a Global Age, University of Tokyo, 11 – 12 December, 2004

Jouni Välijärvi, professor
University of Jyväskylä, Institute for Educational Research
Finland

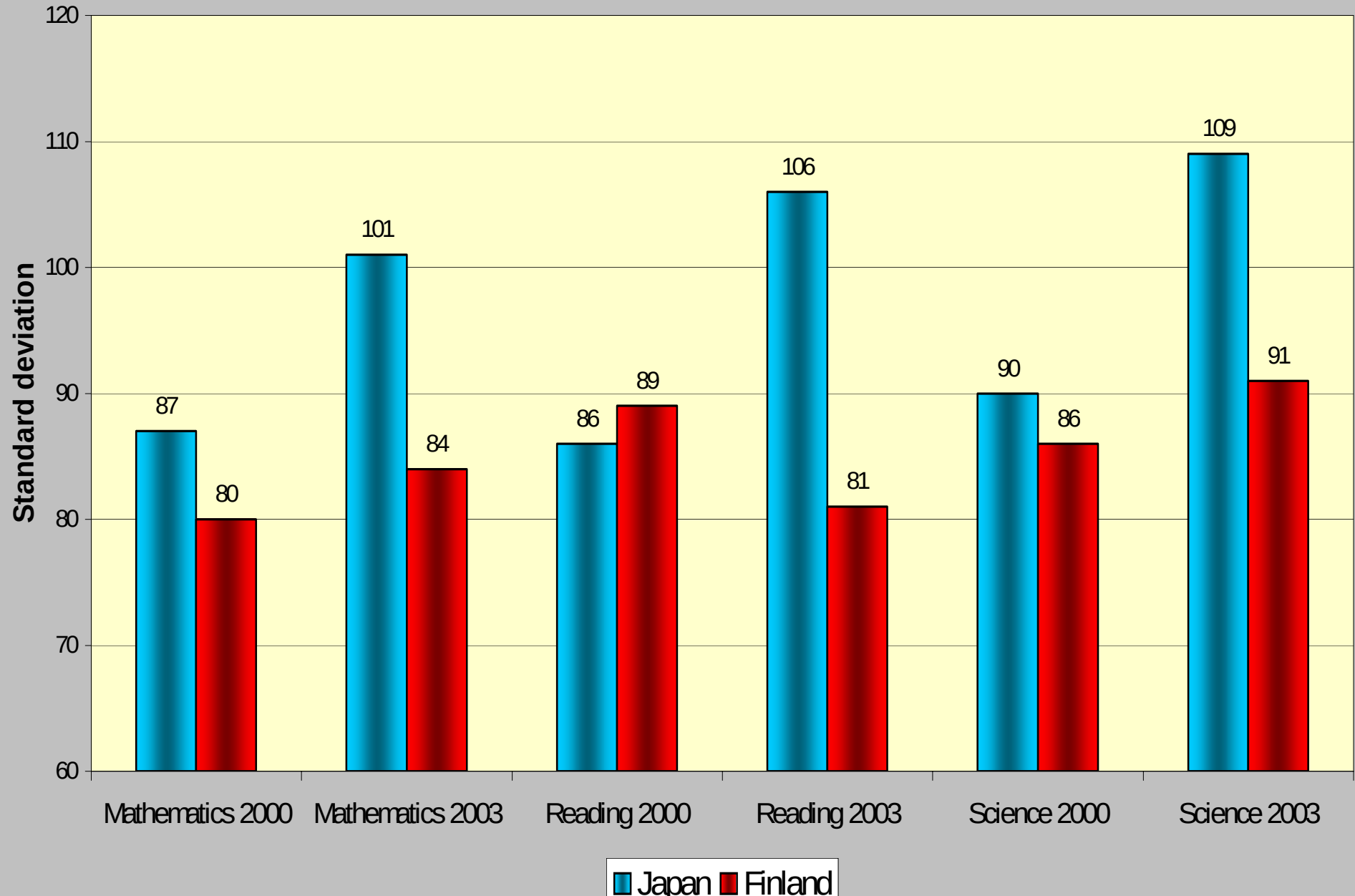
Assuring a quality education for all:

How the Finnish education system responds to the challenge of equity.

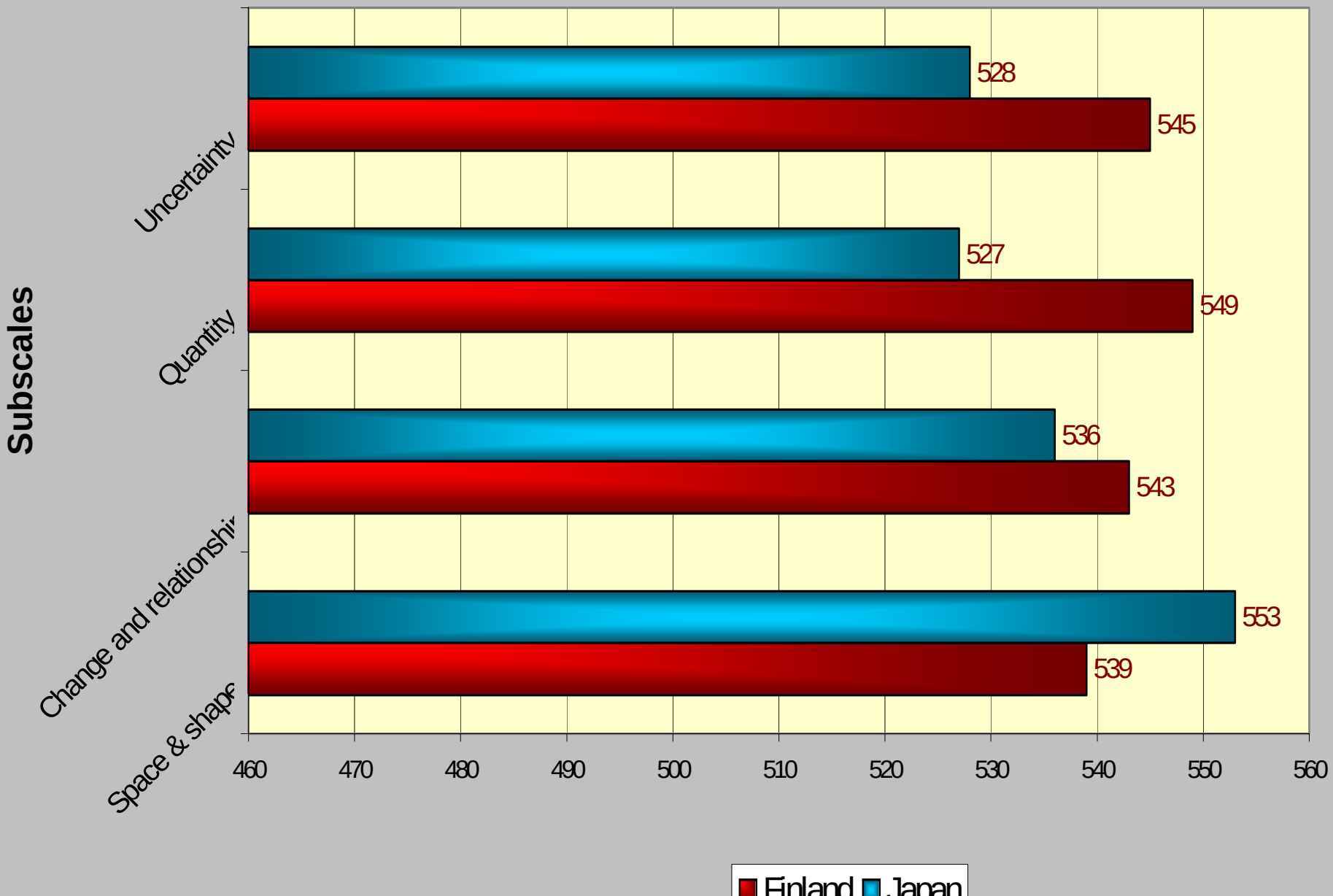
Mean scores in PISA 2000 and 2003



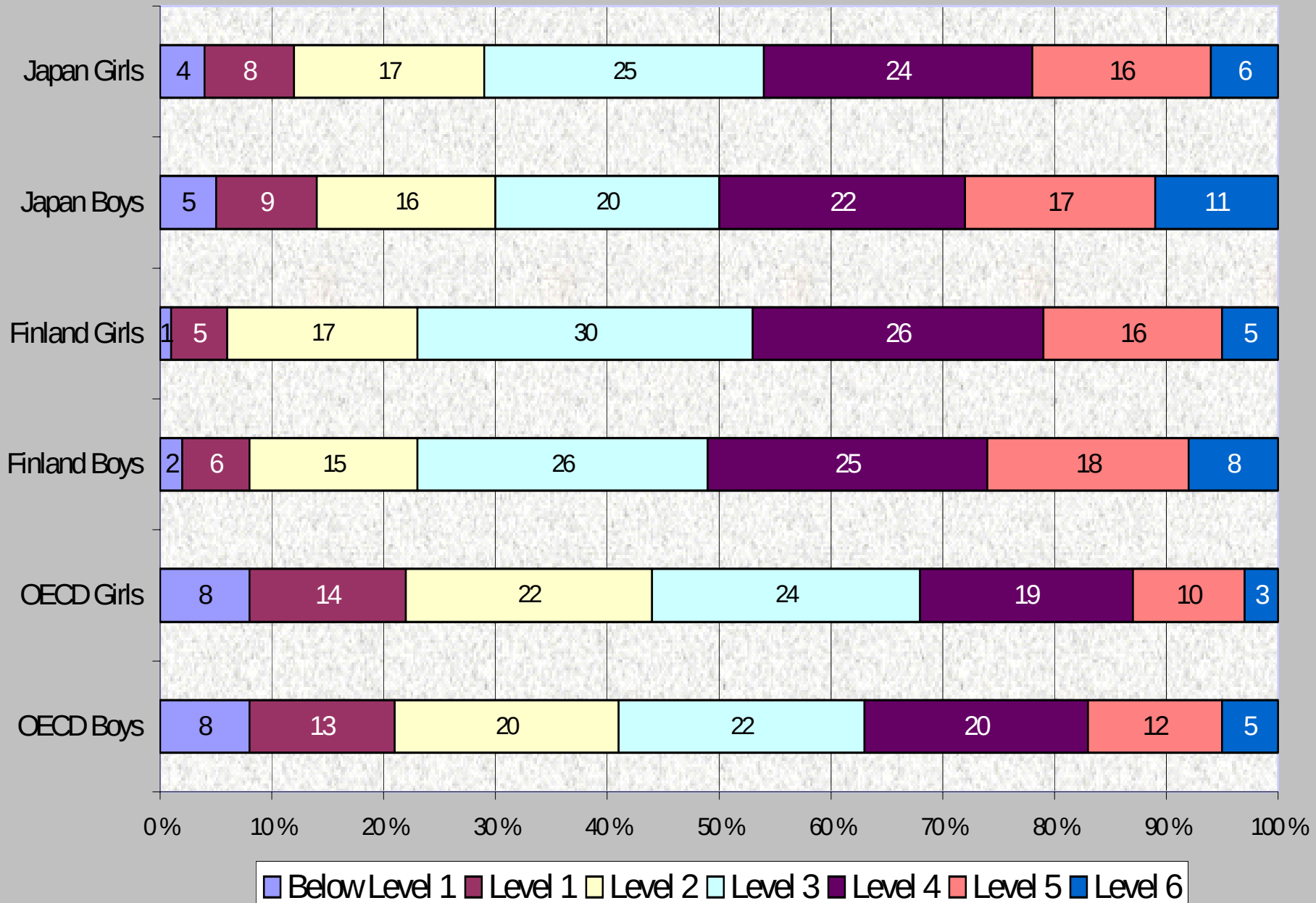
Variation in performances in 2000 and 2003



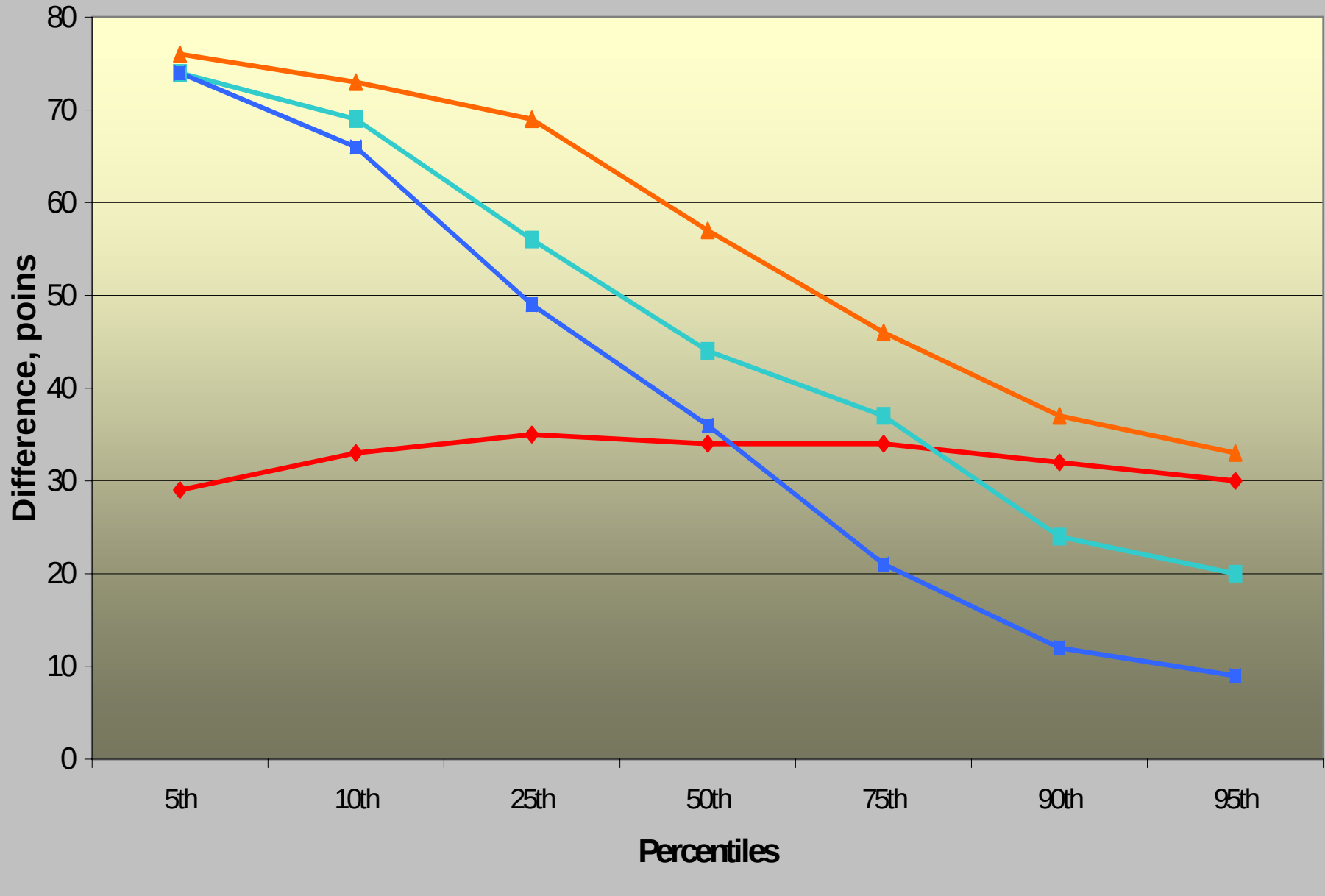
Mean scores on the subscales in mathematics



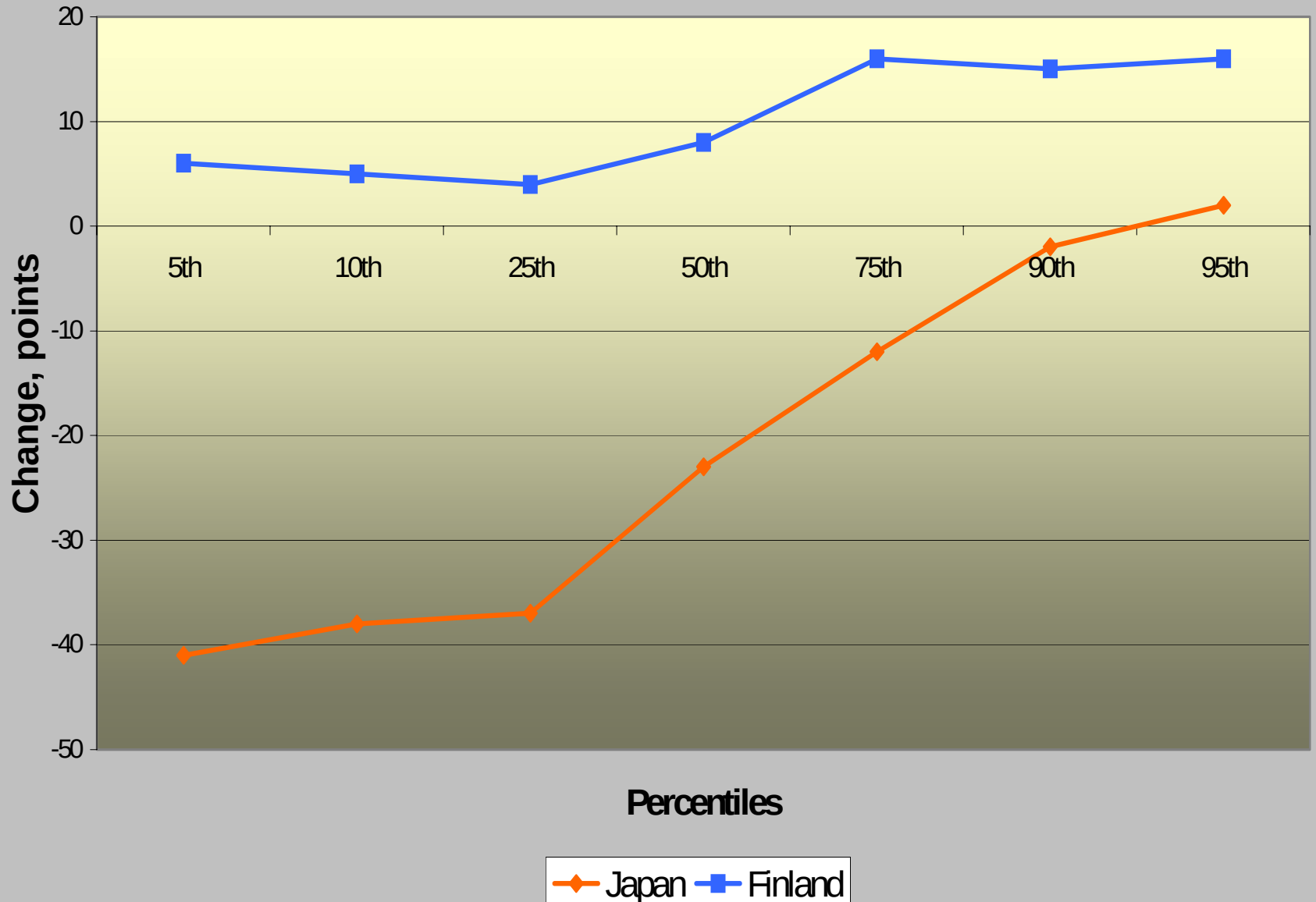
Boys and girls on differen levels of the mathematics scale



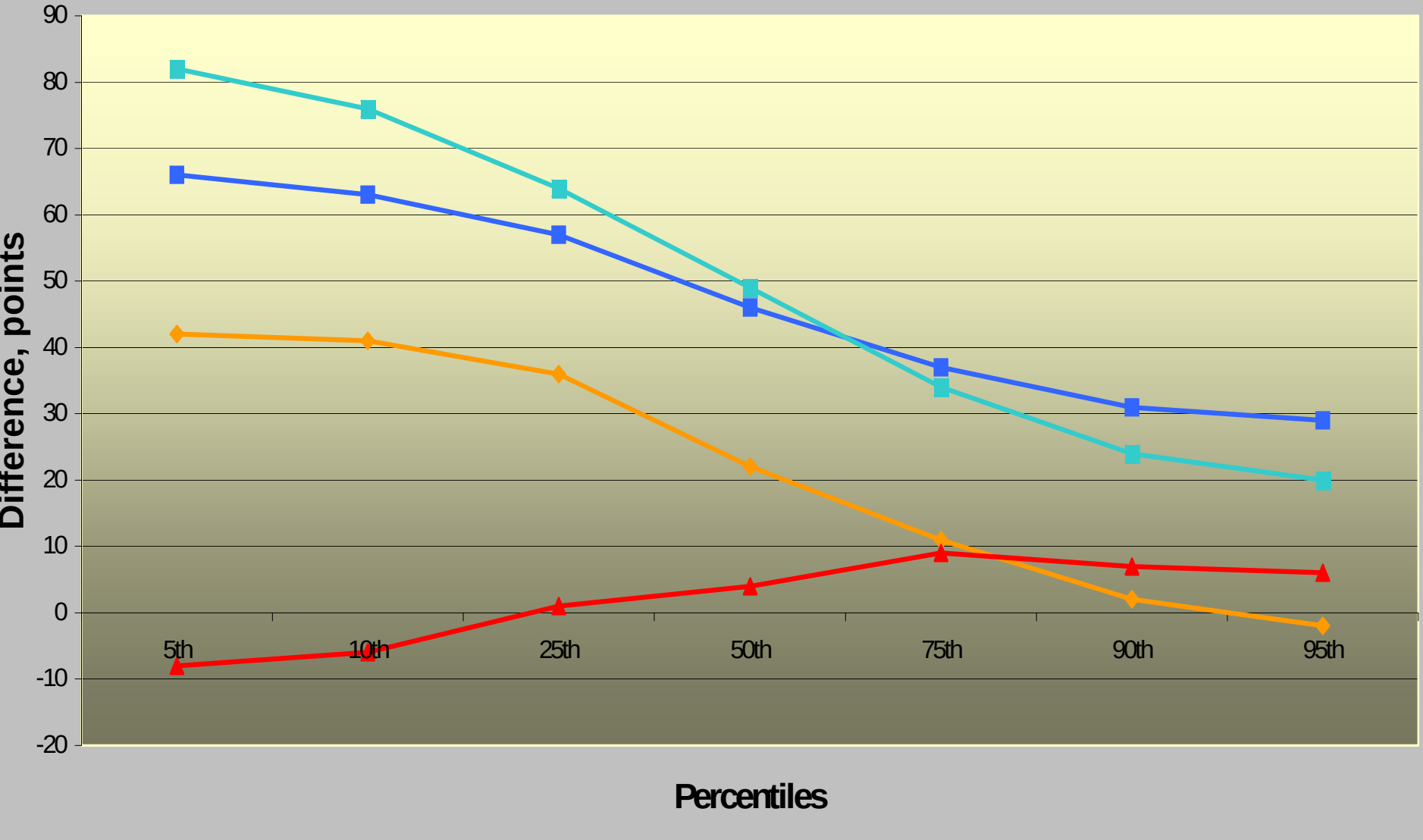
Country percentiles compared to OECD percentiles on mathematics scale in PISA 2000 and 200



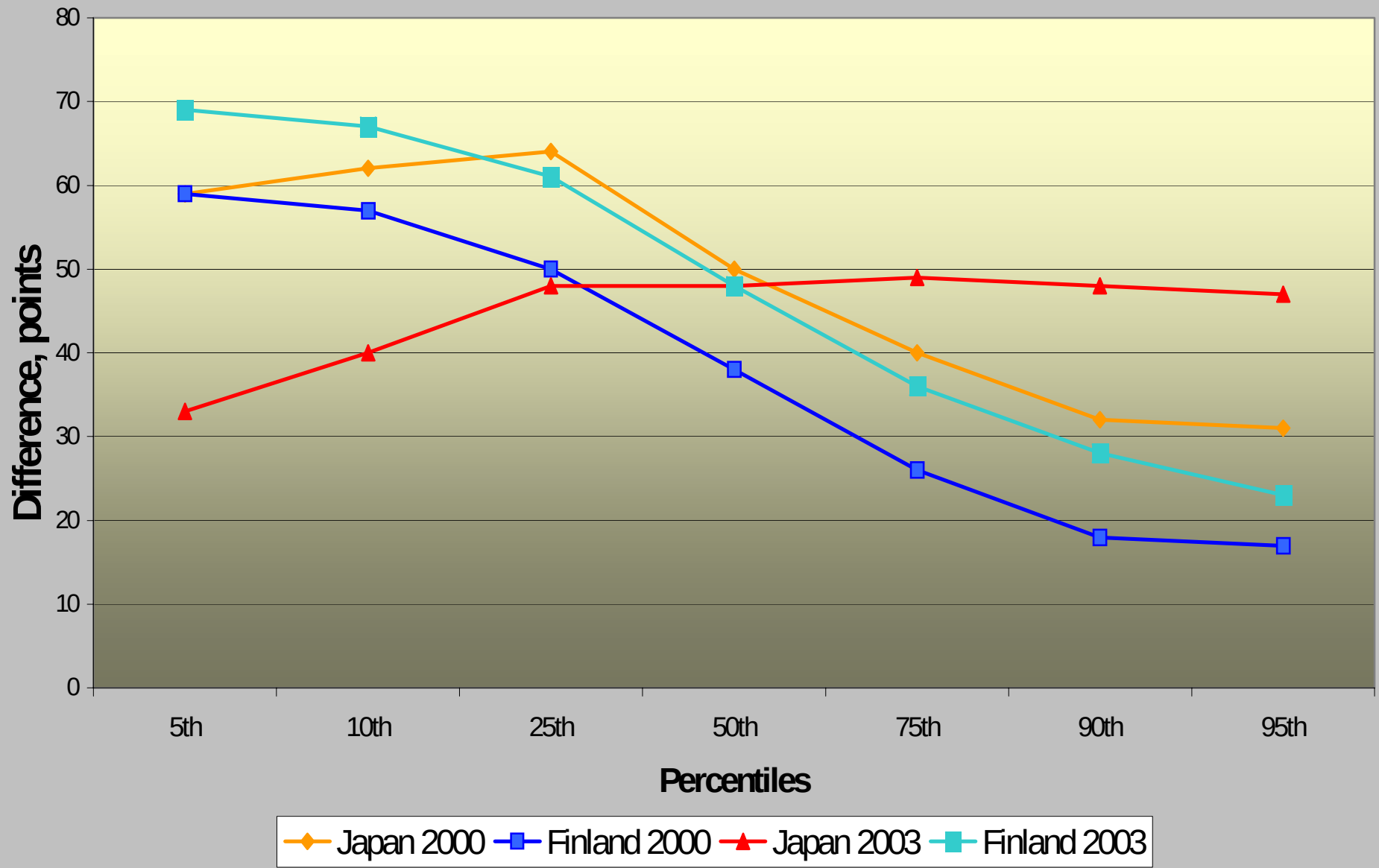
Change of the percentiles in mathematics from 2000 to 2003



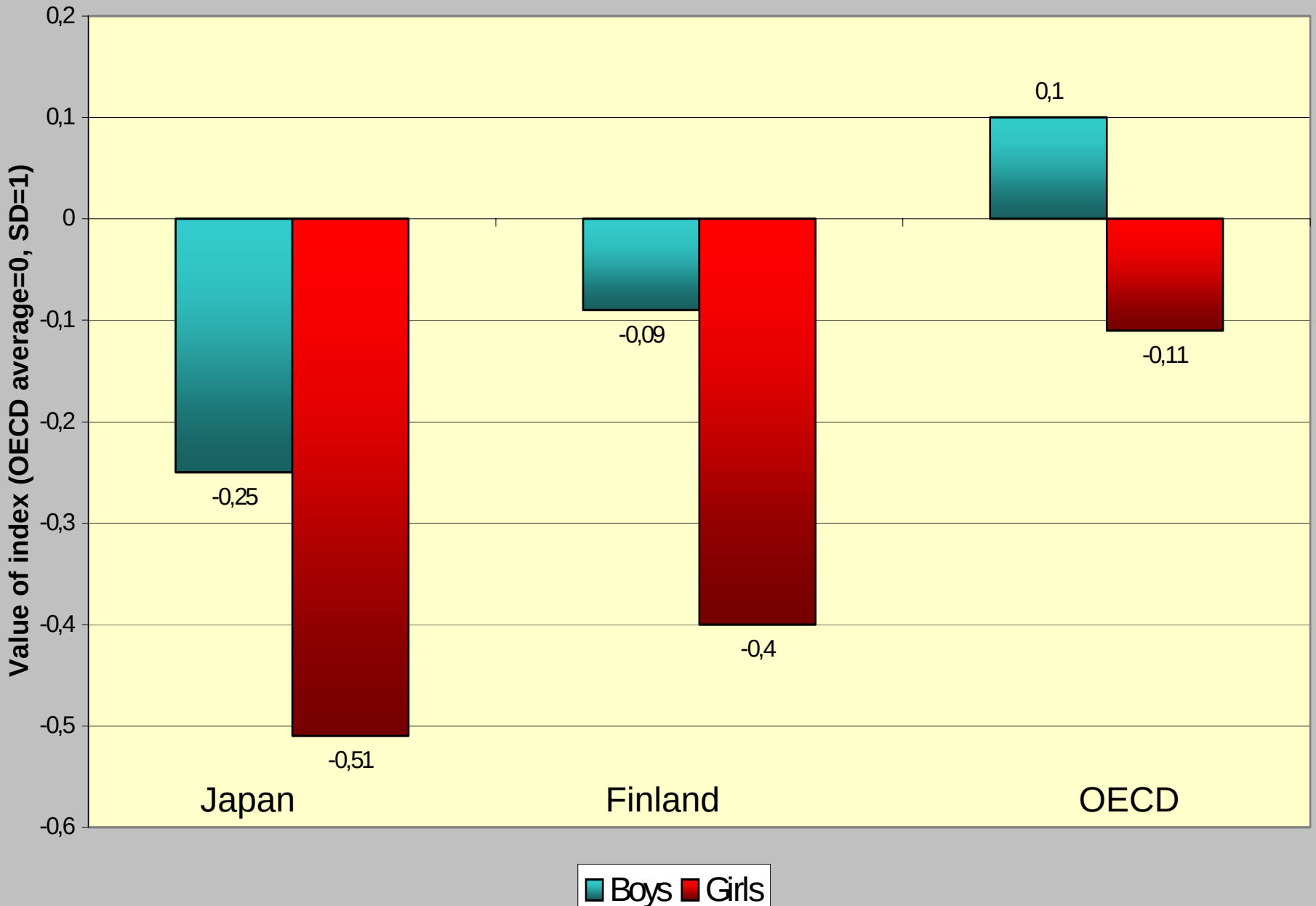
Country percentiles of the reading literacy scale compared to the OECD percentiles in PISA 2000 and 2003



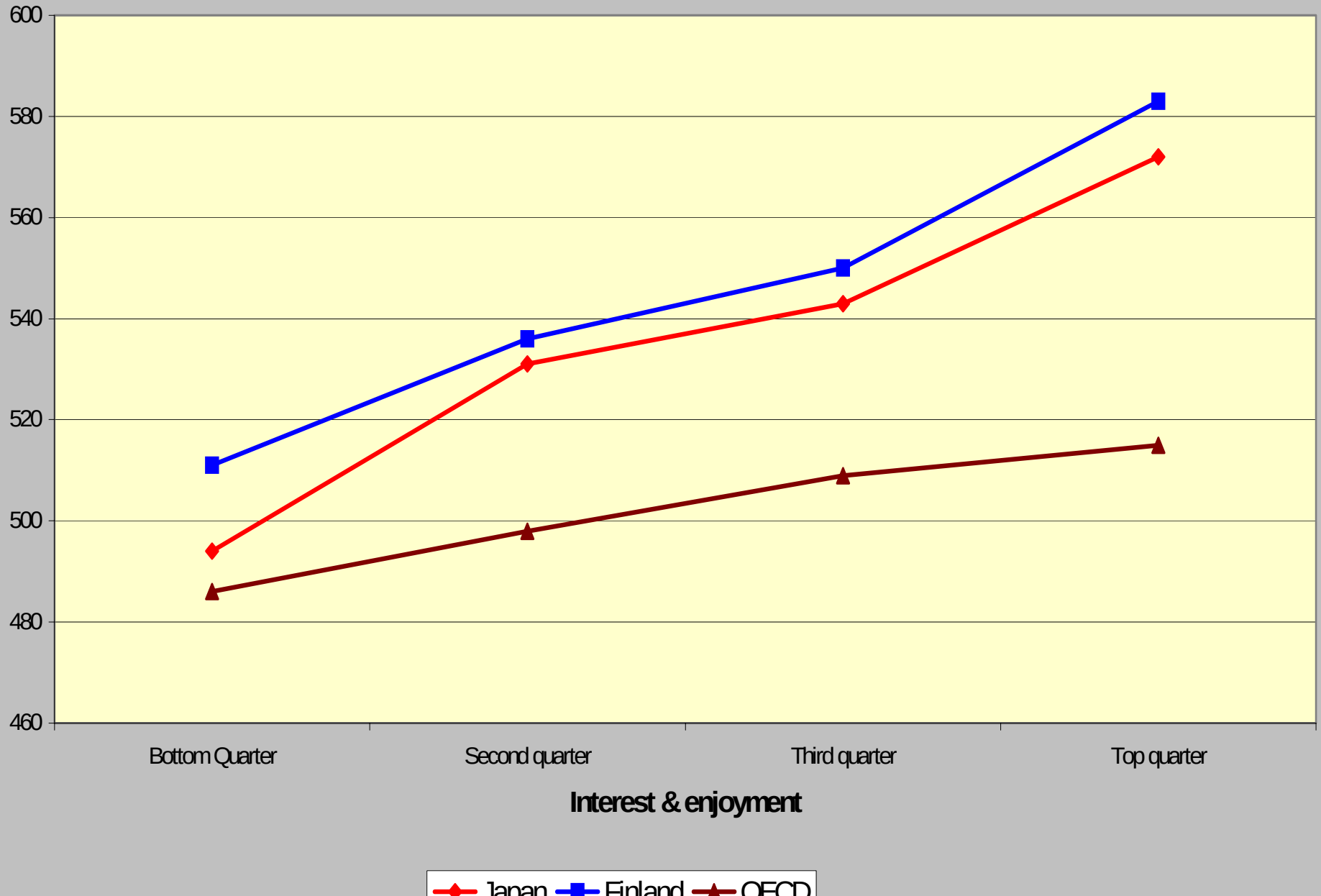
Country percentiles of the science scale compared to the OECD percentiles in PISA 2000 and 2003



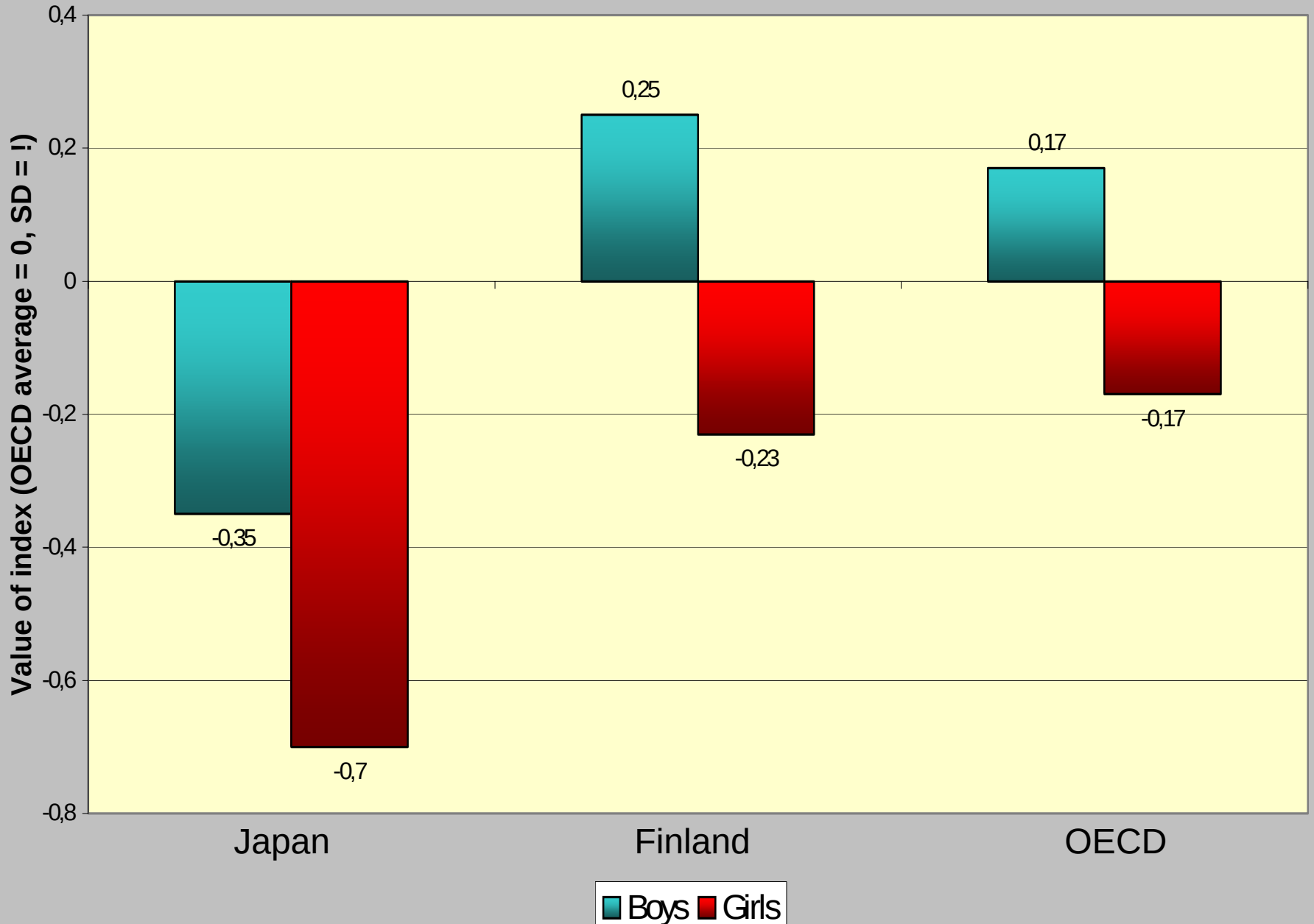
Interest and enjoyment in mathematics



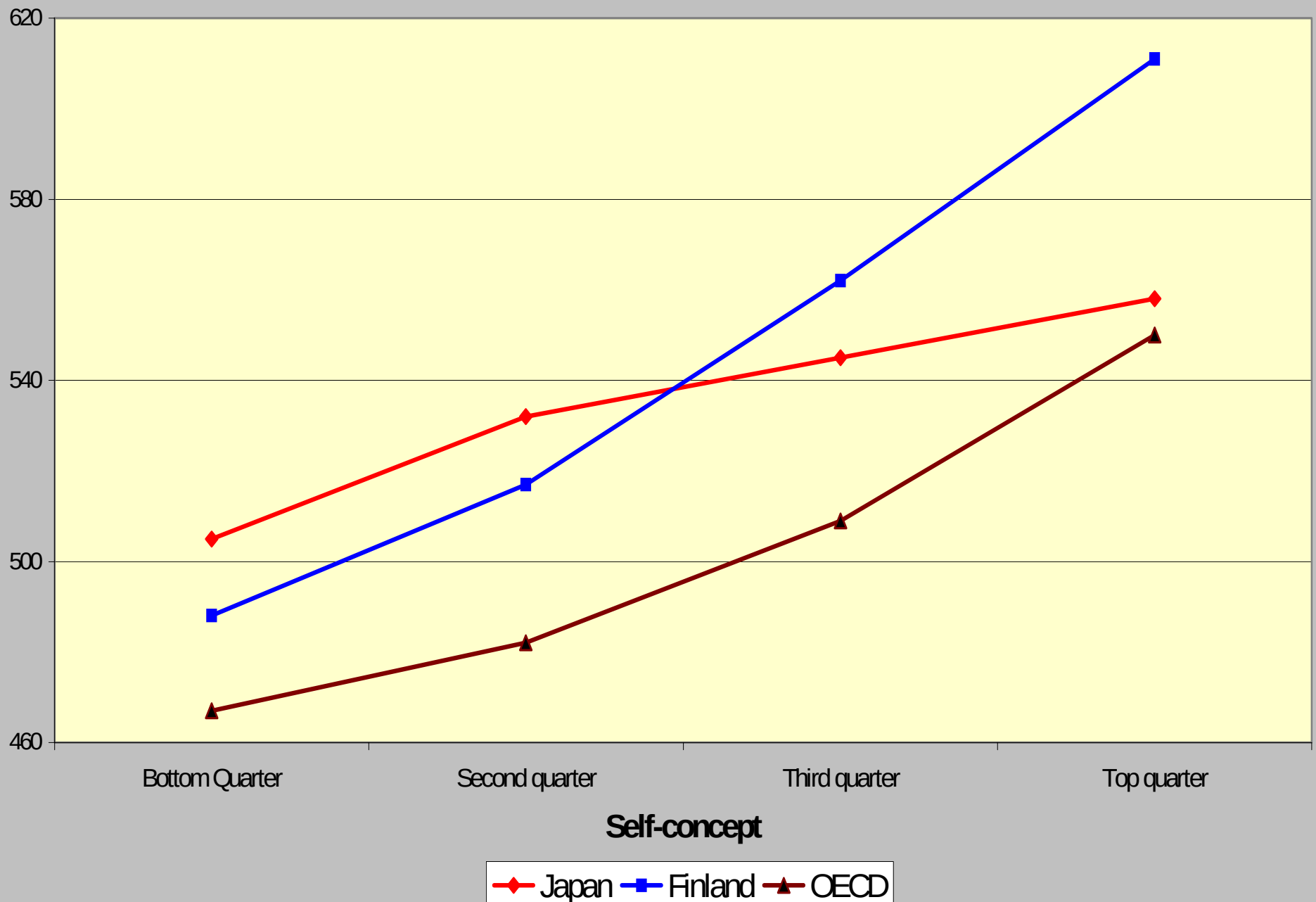
Interest, enjoyment and achievement in mathematics



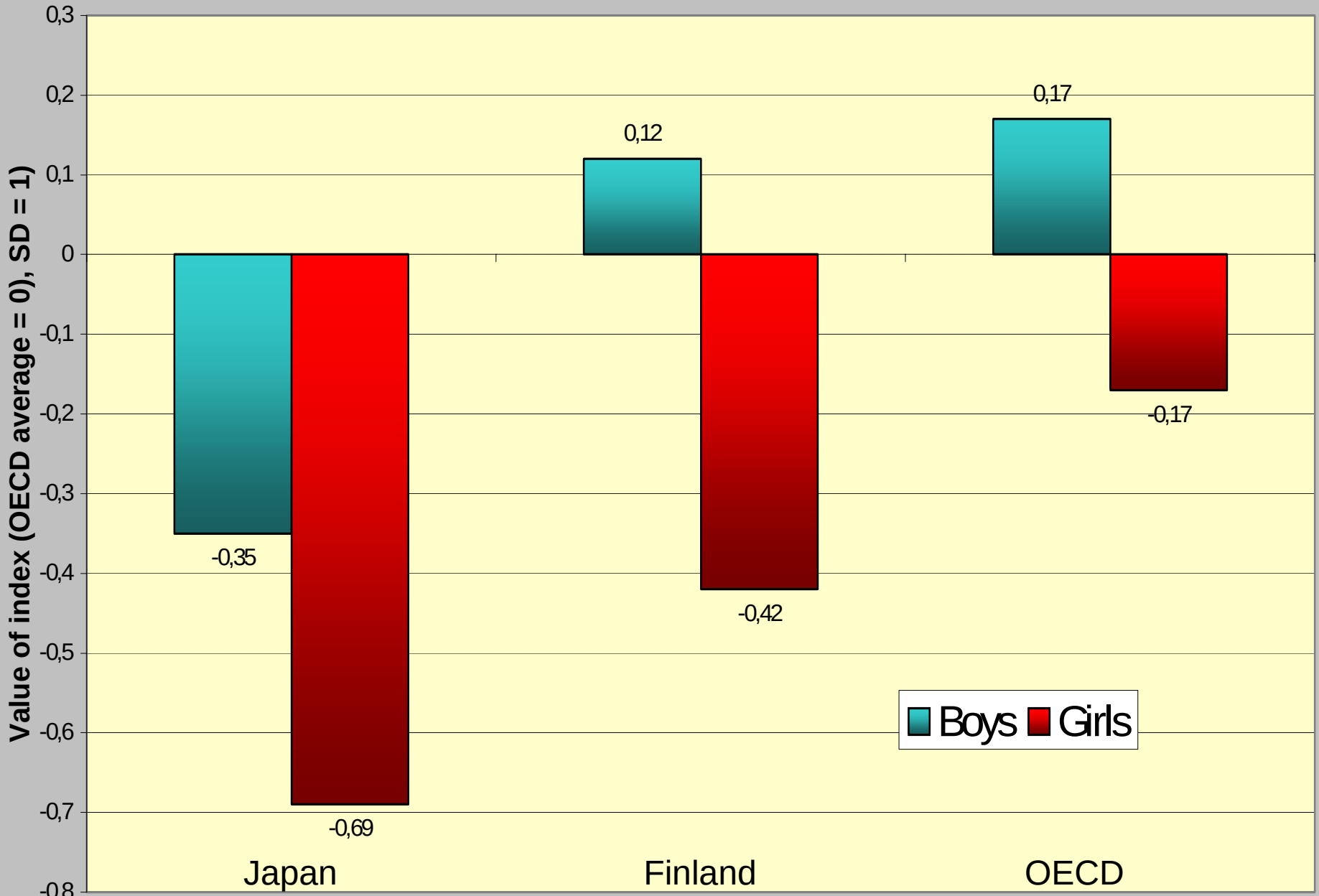
Self-concept in mathematics



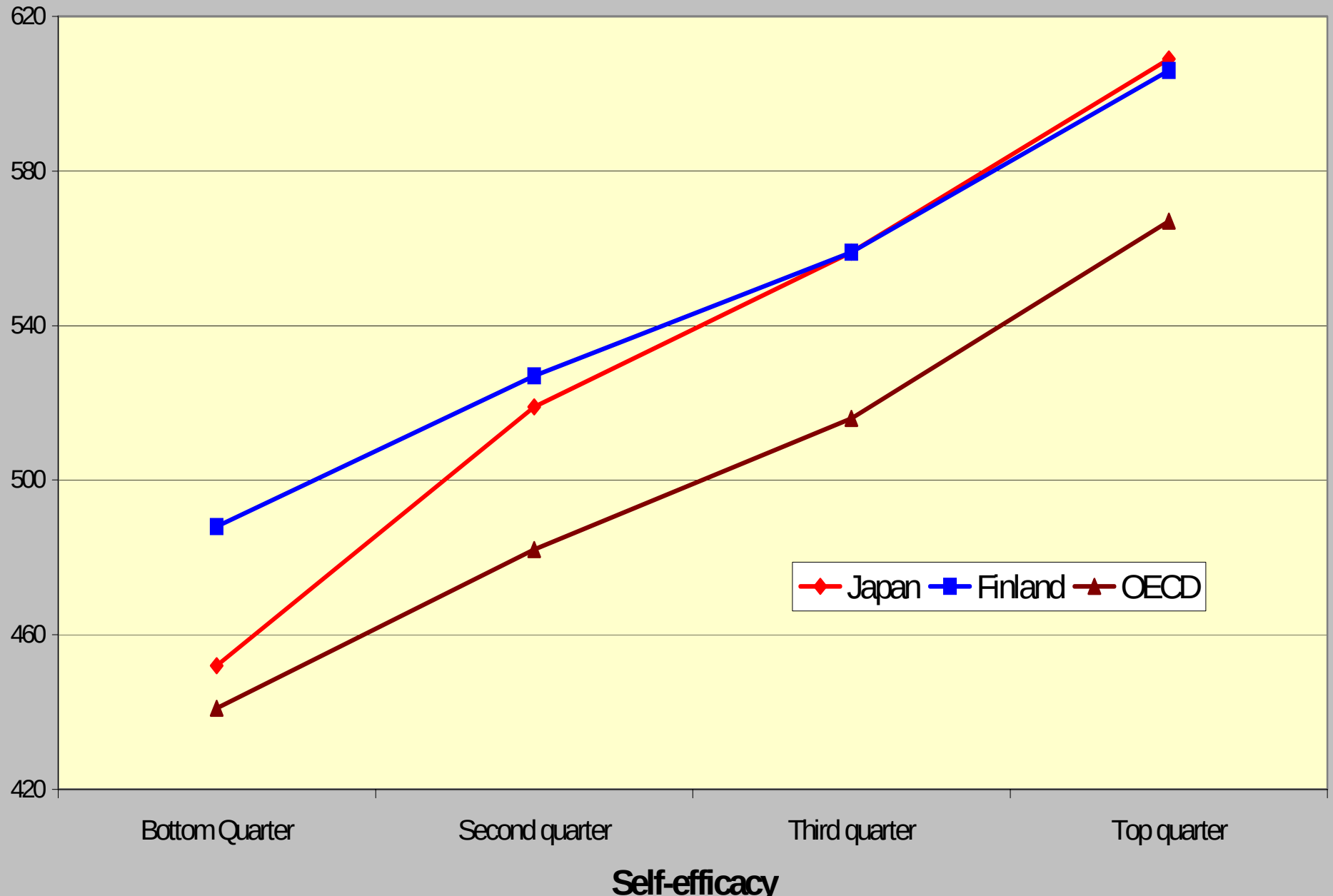
Self concept and achivement in mathematics



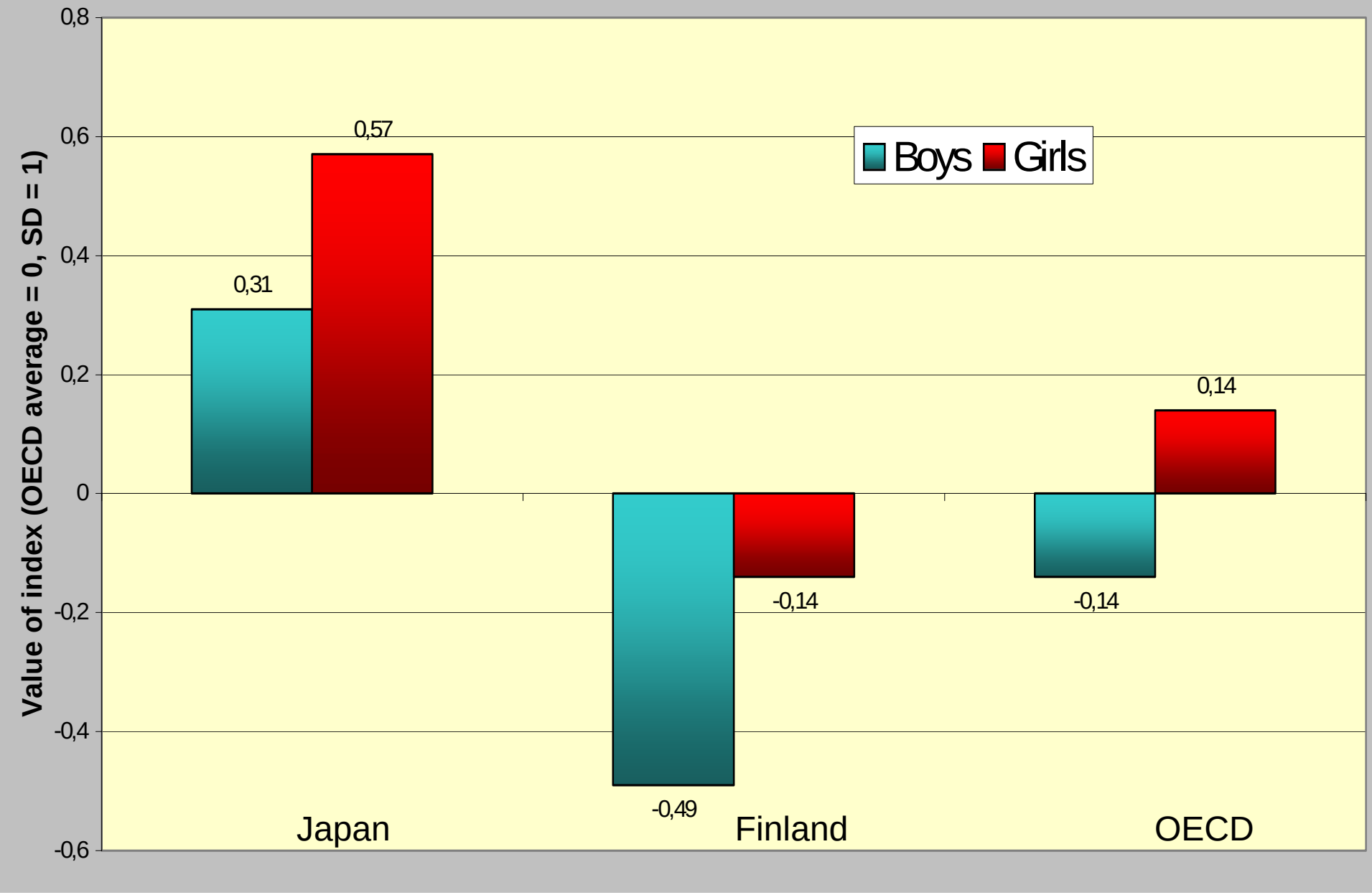
Self-efficacy in mathematics



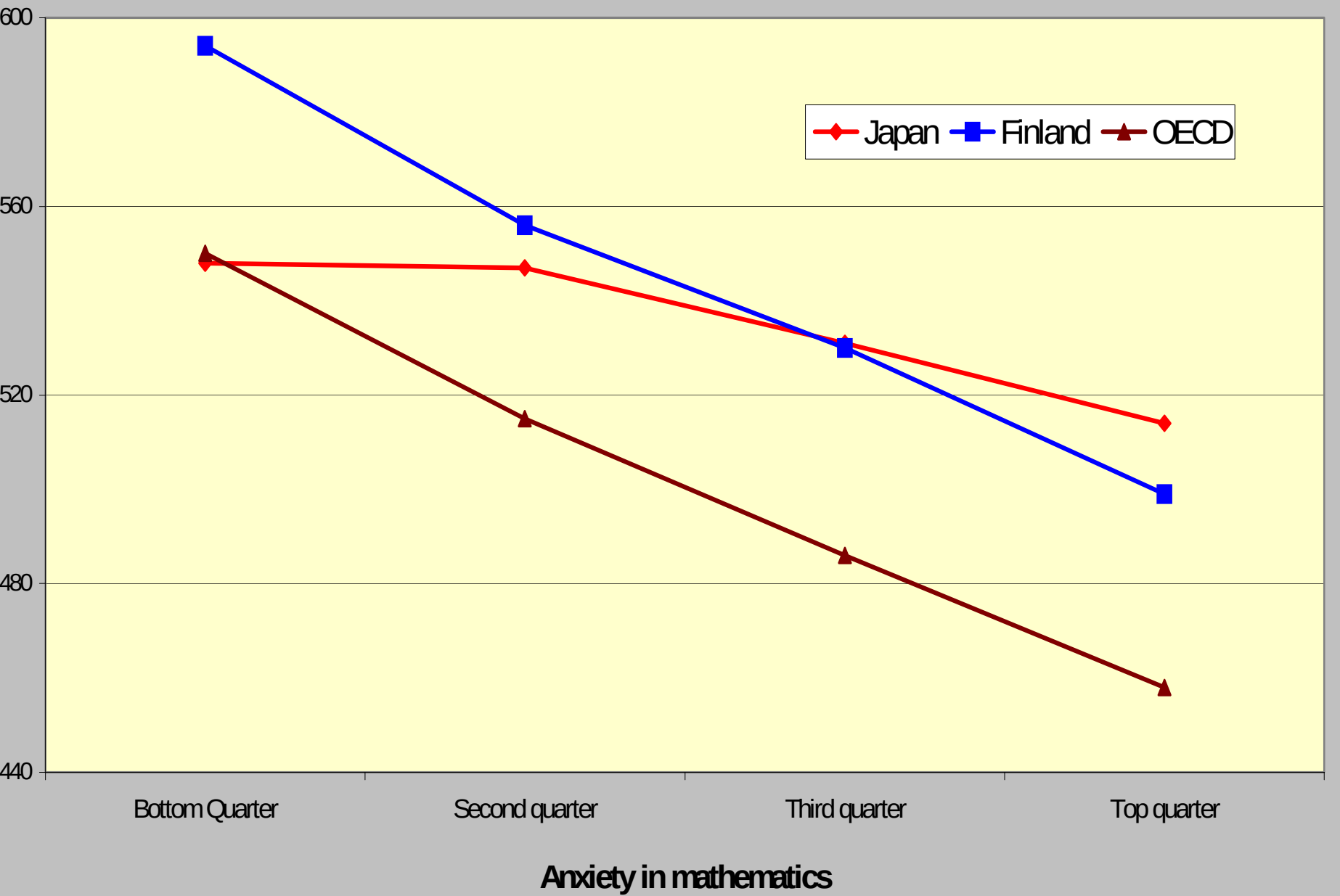
Self-efficacy and achievement in mathematics



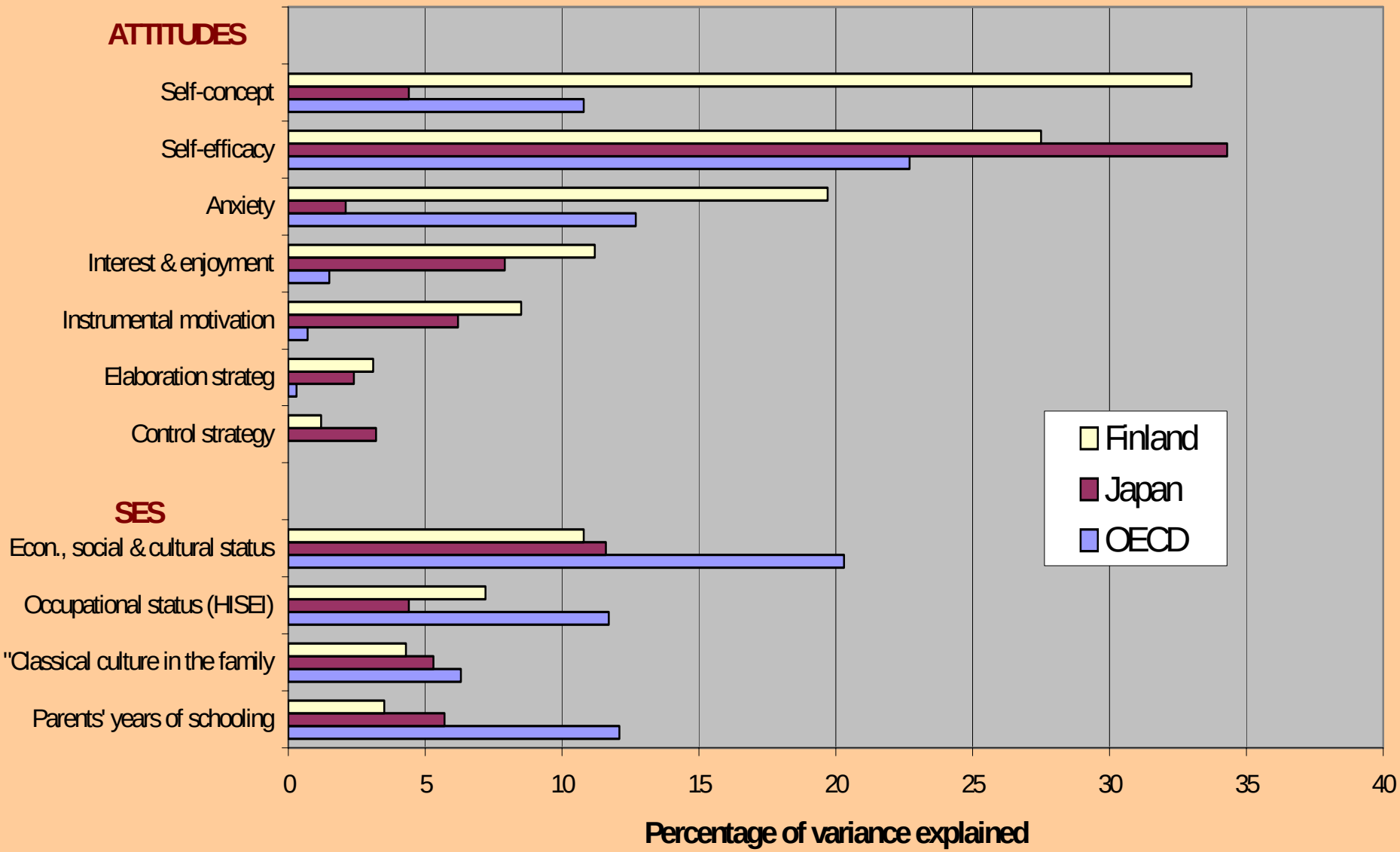
Anxiety in mathematics



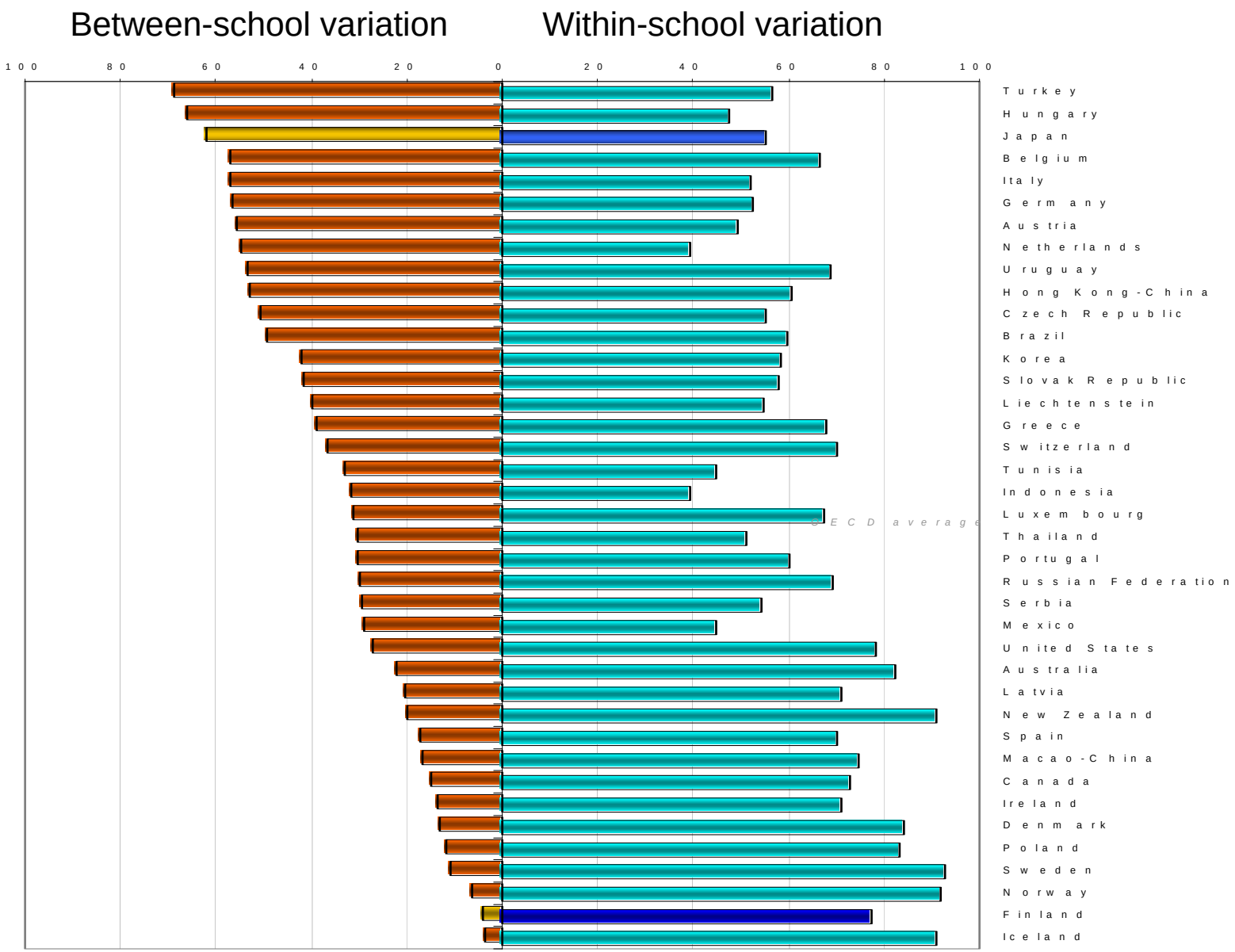
Anxiety and achievement in mathematics



Students' learning attitudes and socio-economic background (SES) explaining the achievement in mathematics

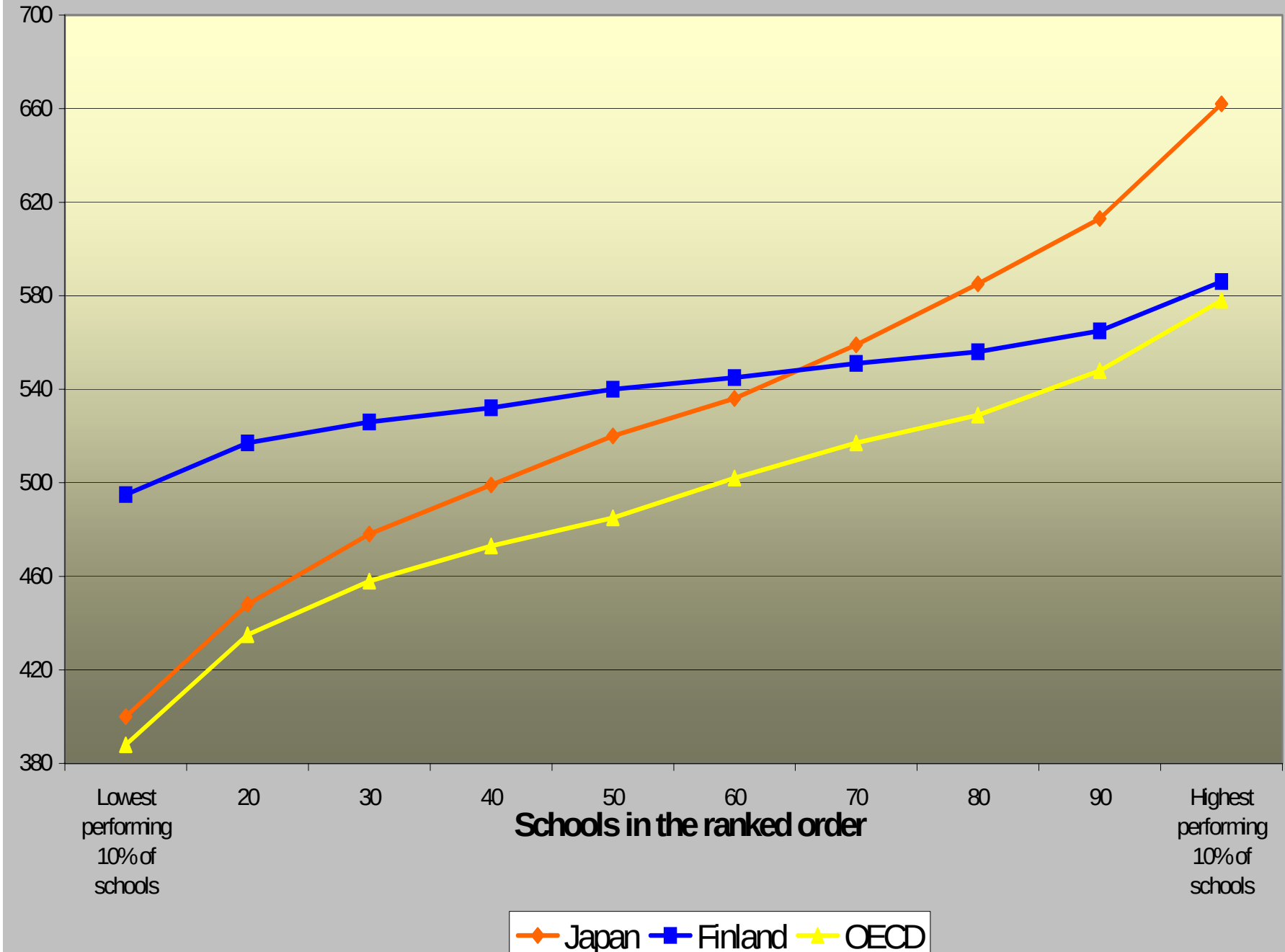


Between school and within school variation on the mathematics scale

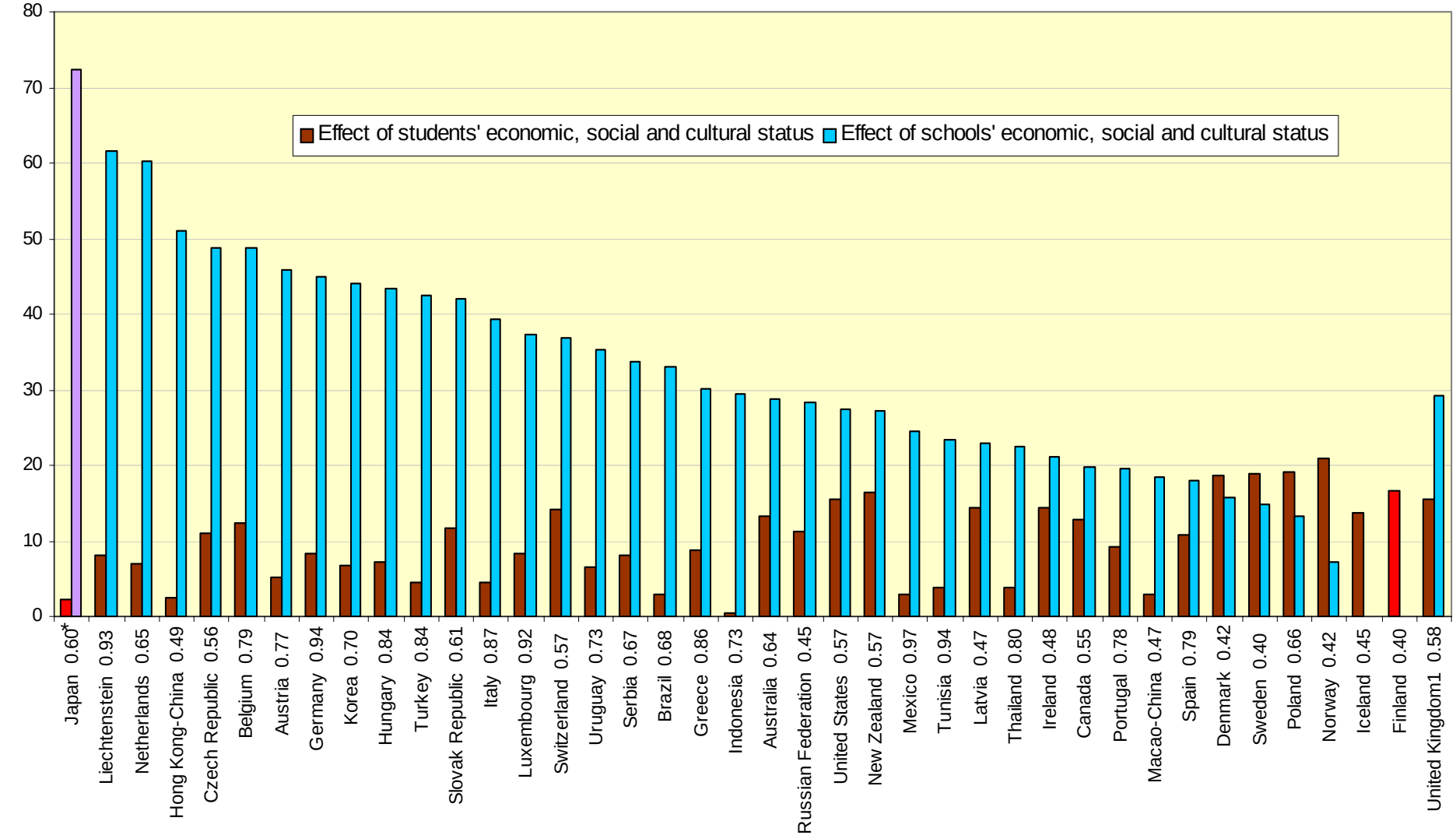


Source: OECD PISA 2003 database, Table 4.1a.

Mean scores of the schools on the mathematic scale

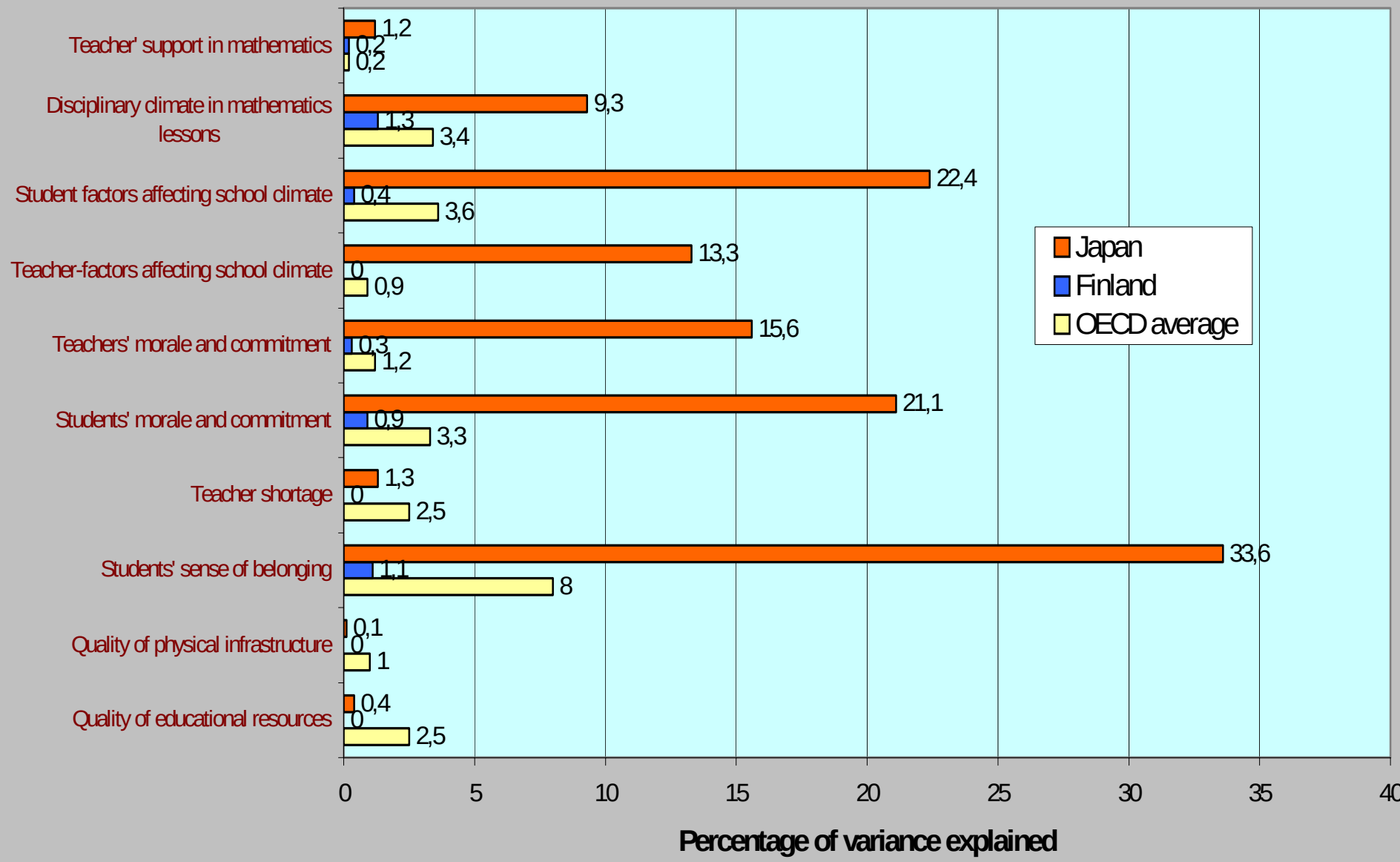


Effects of students' and schools SES-background on student performance on the mathematics scale

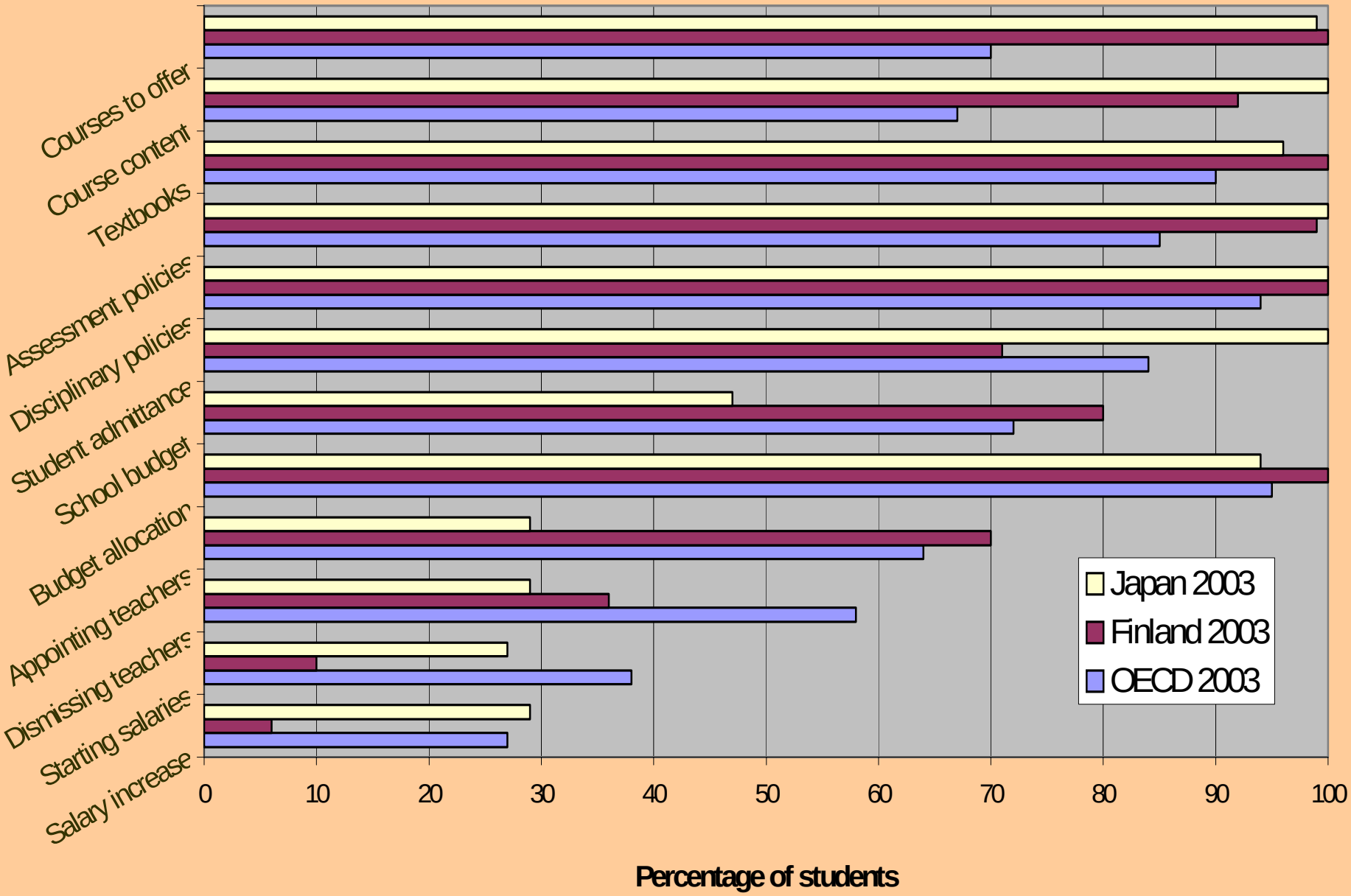


Source: OECD PISA 2003 database, Table 4.5.

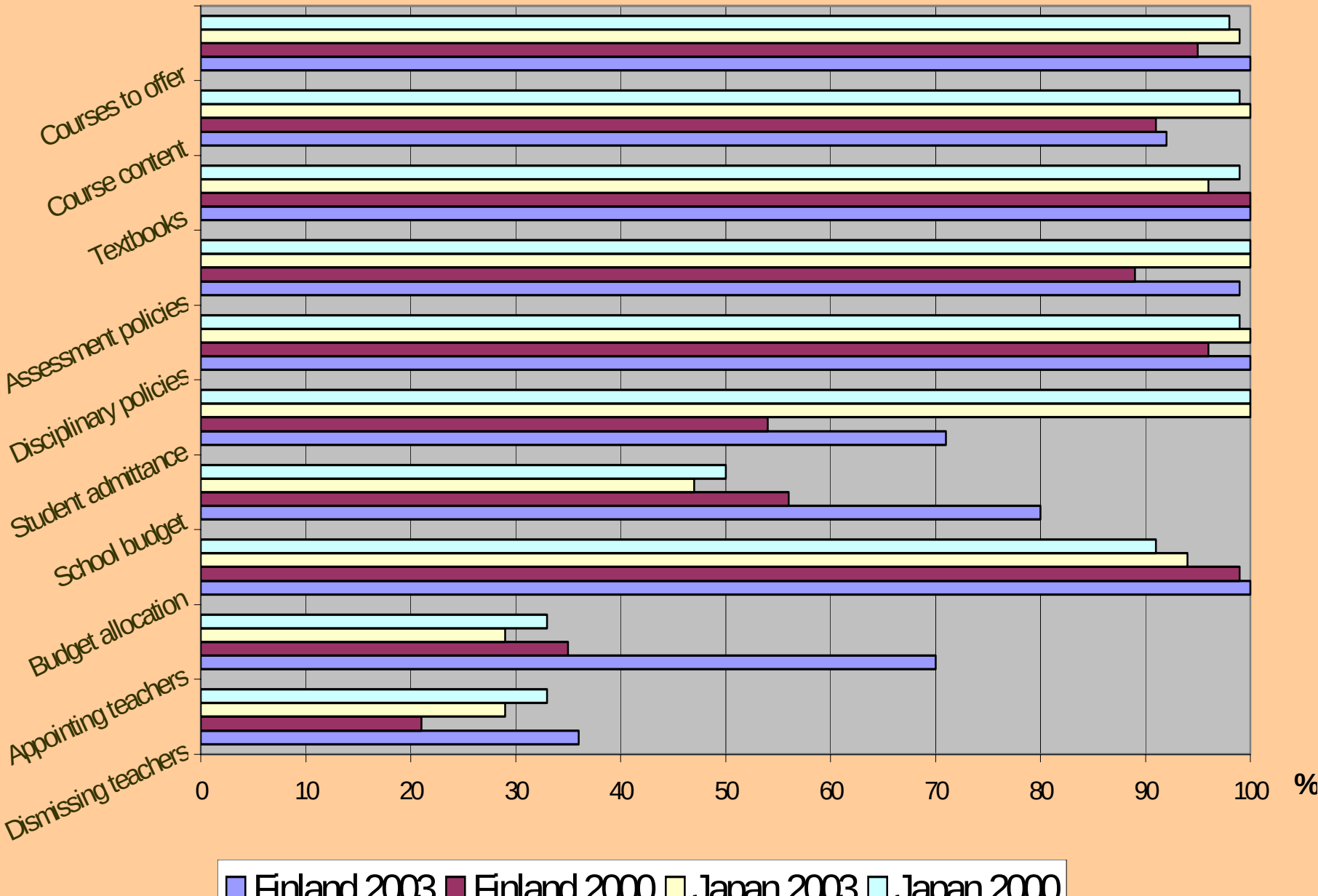
School level factors explaining achivement in mathematics



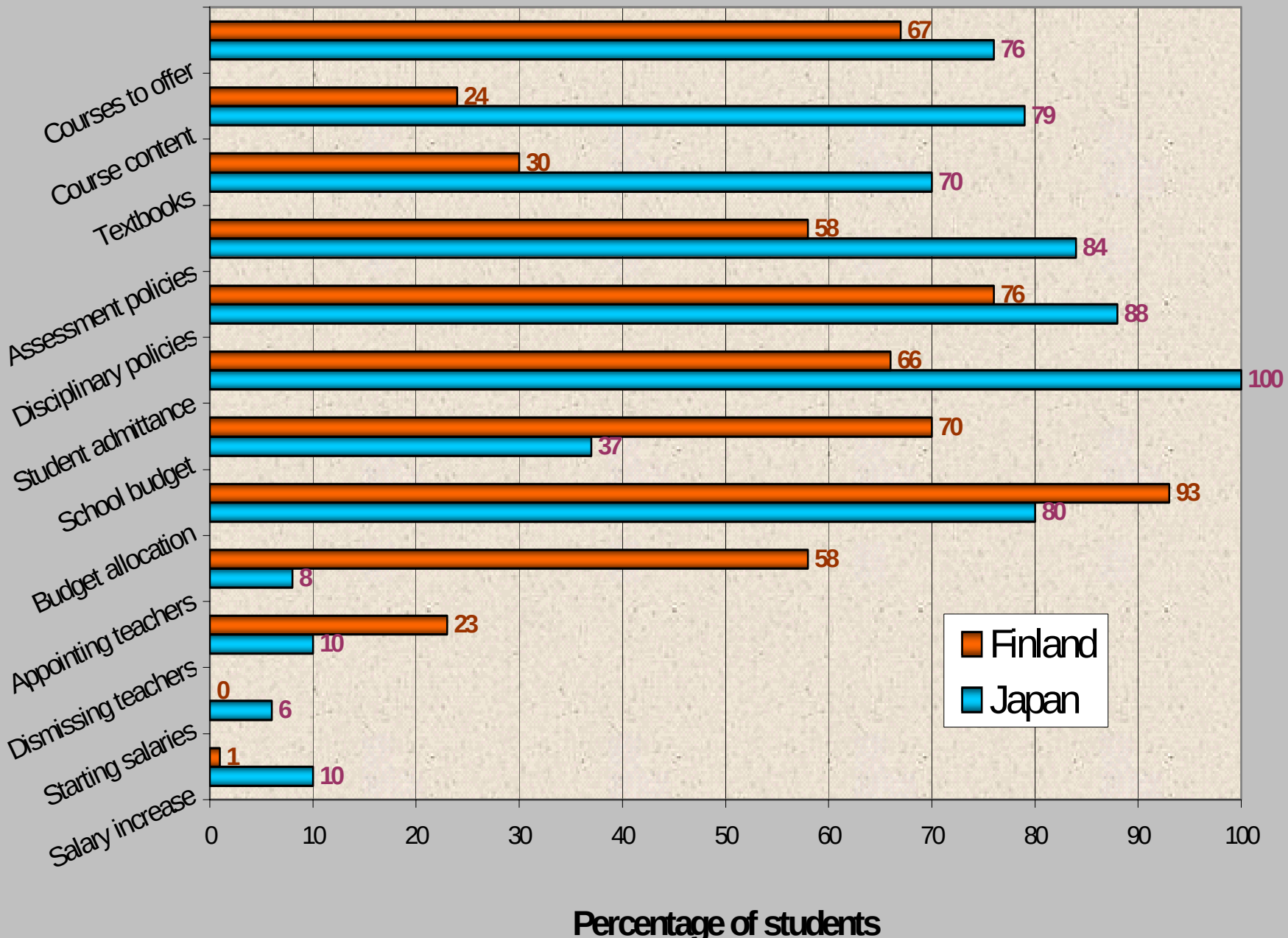
Schools have responsibility



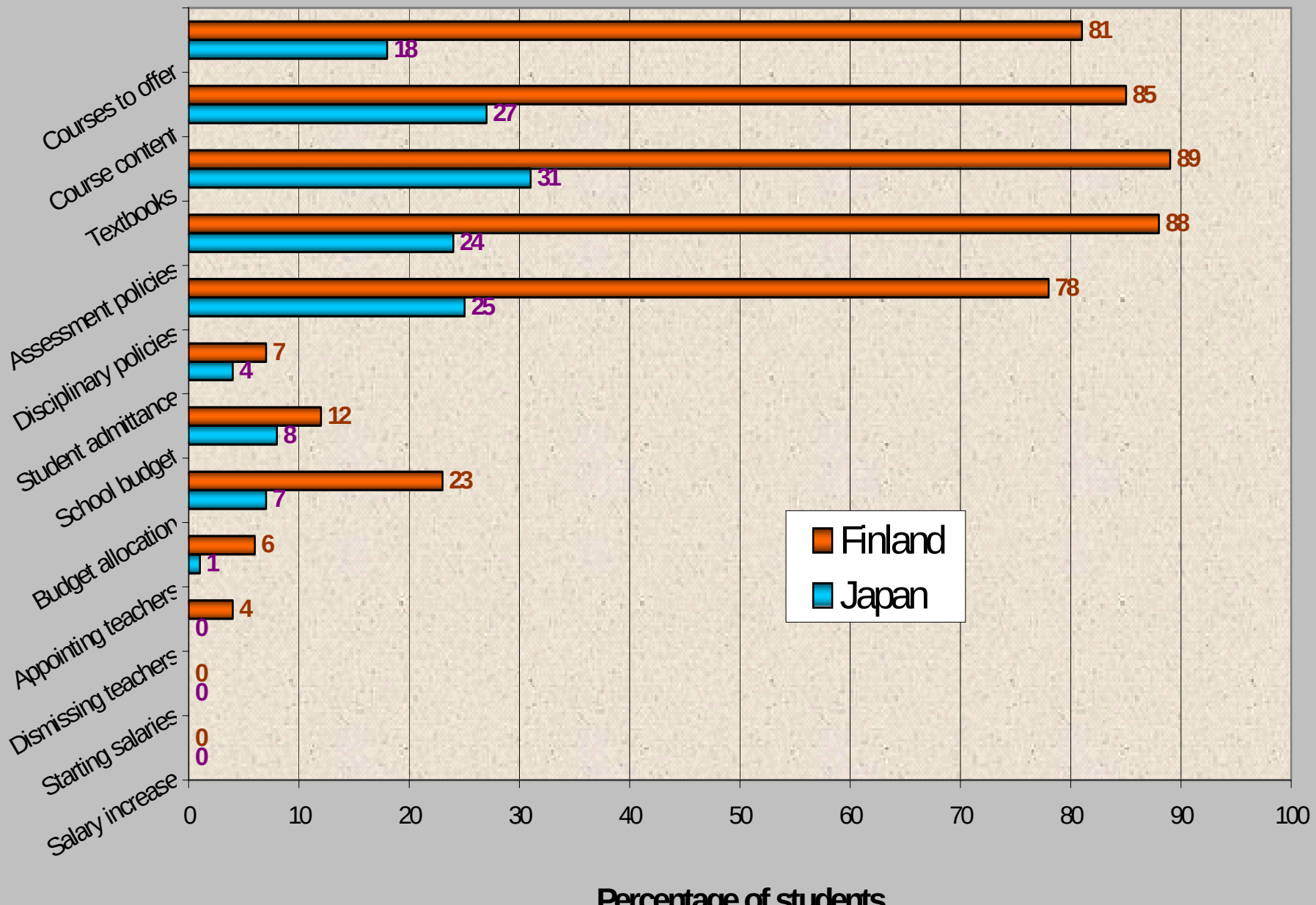
Schools have responsibility



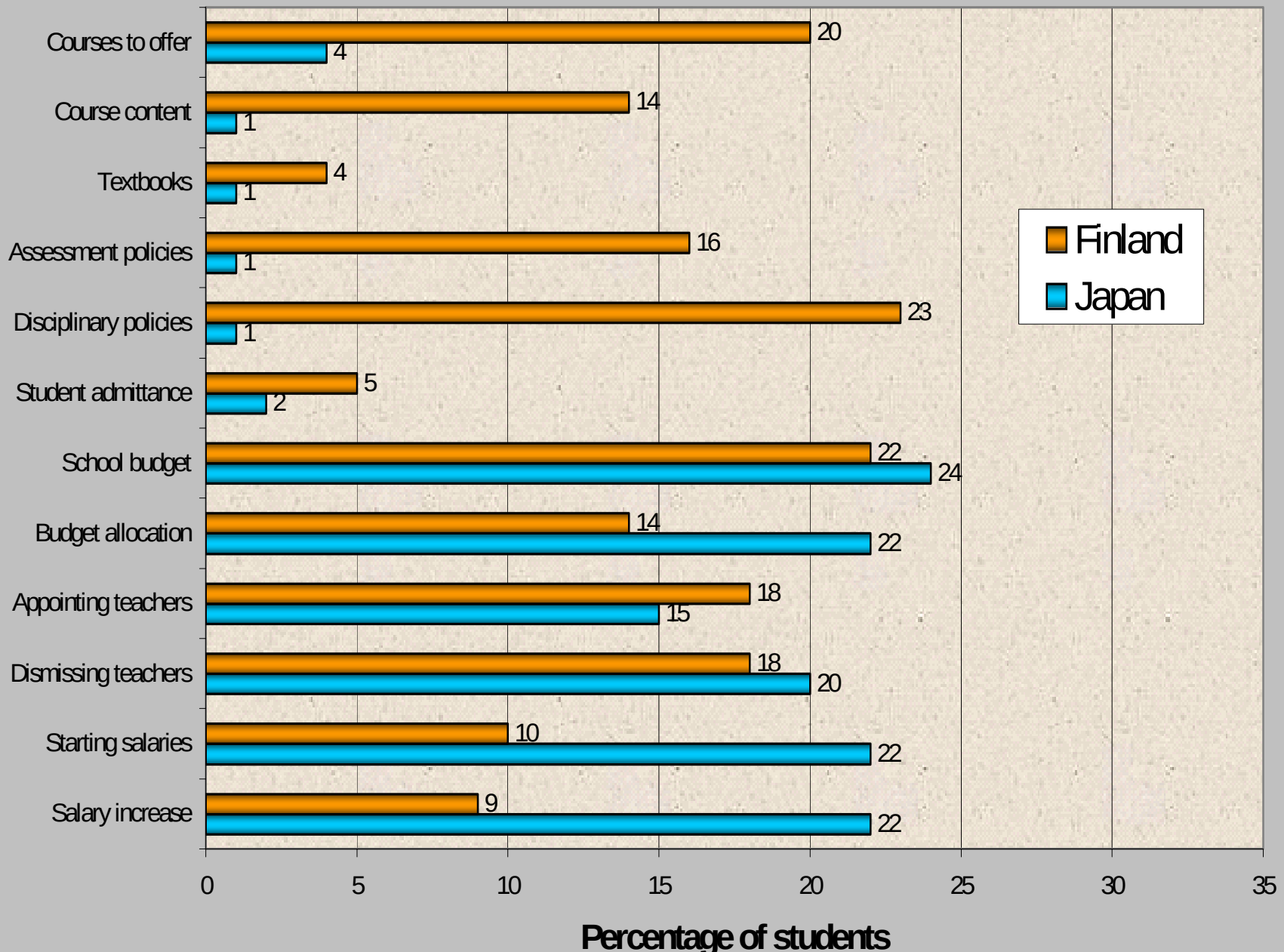
Principal has responsibility



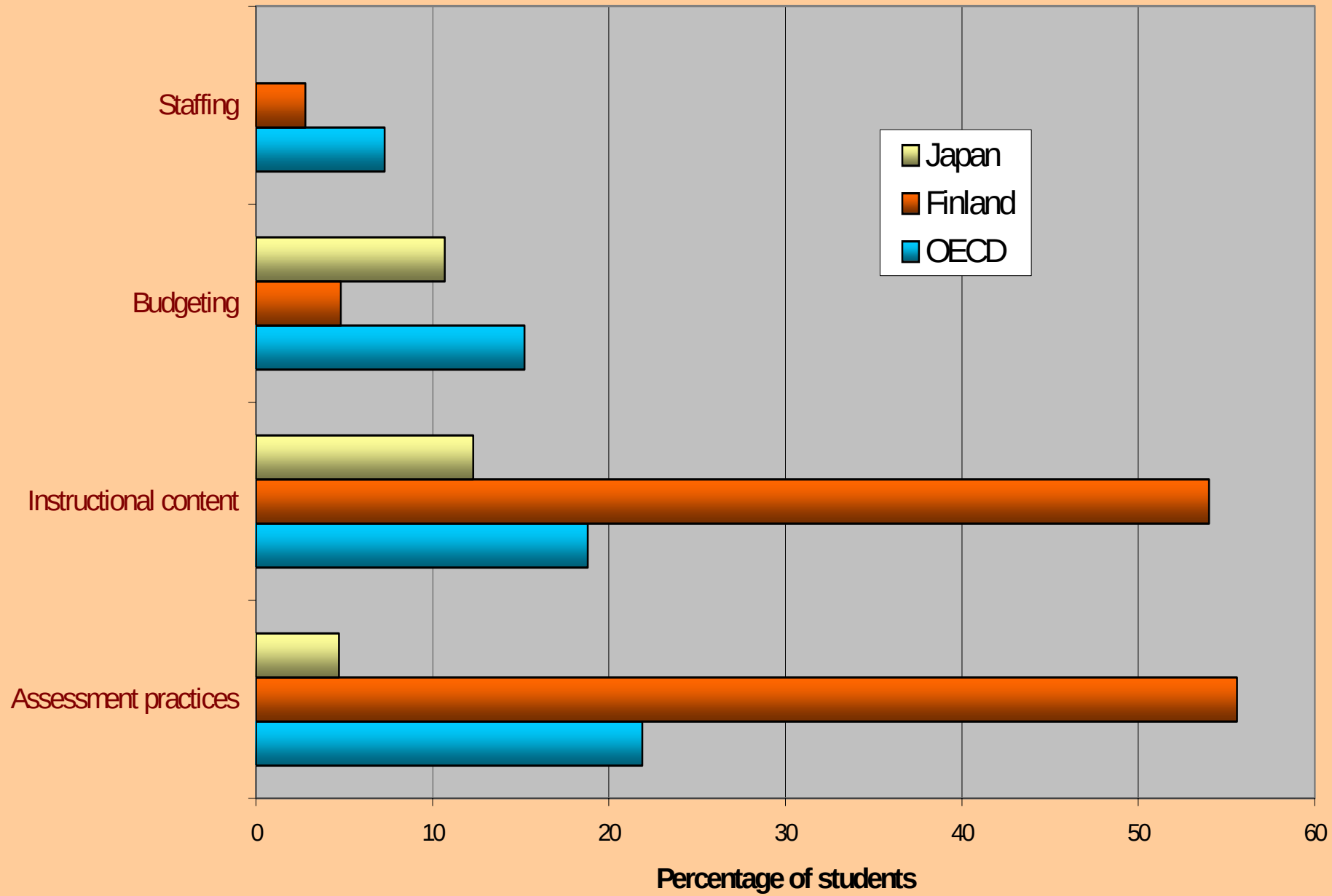
Teachers have responsibility



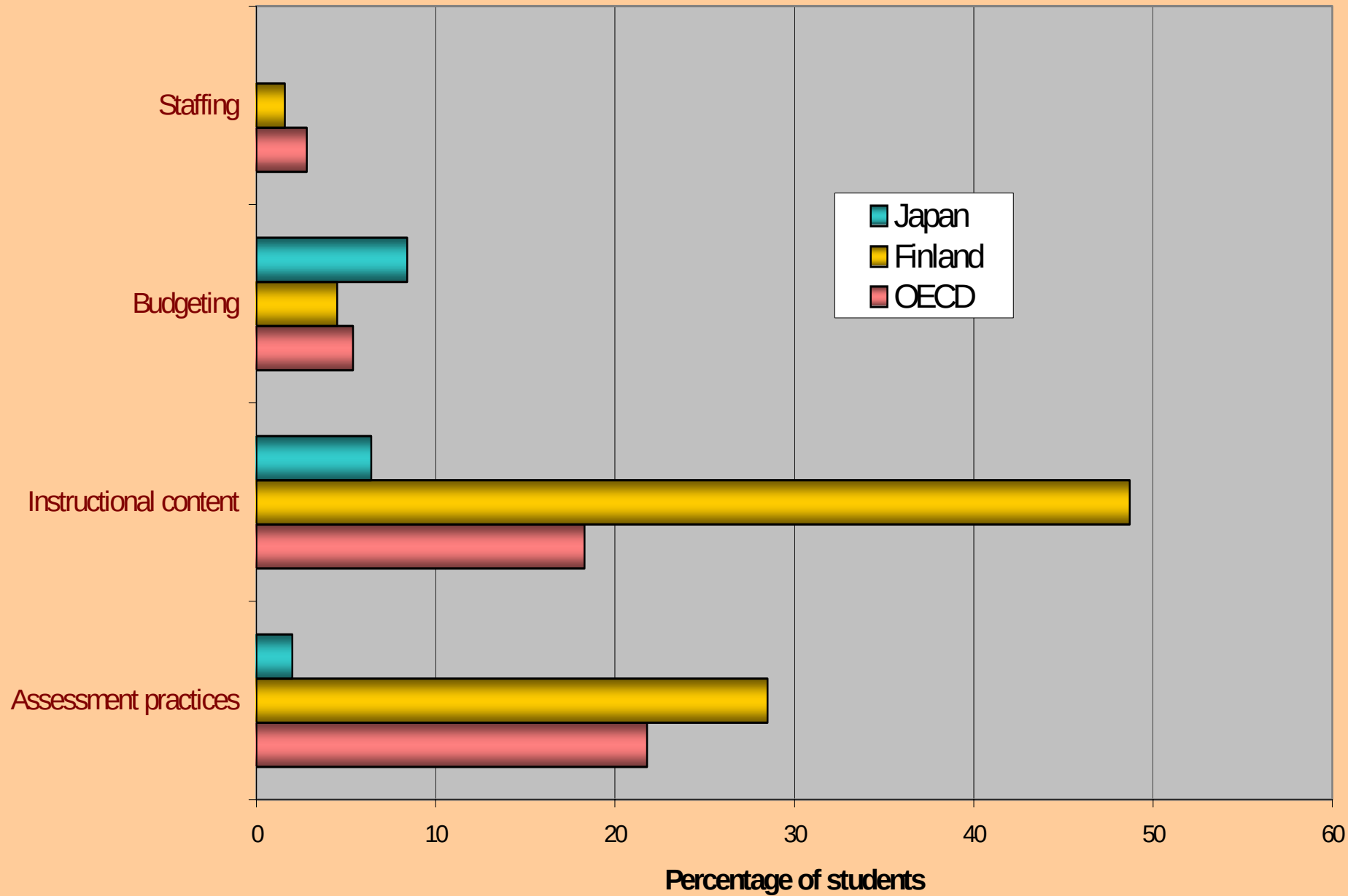
School board has responsibility



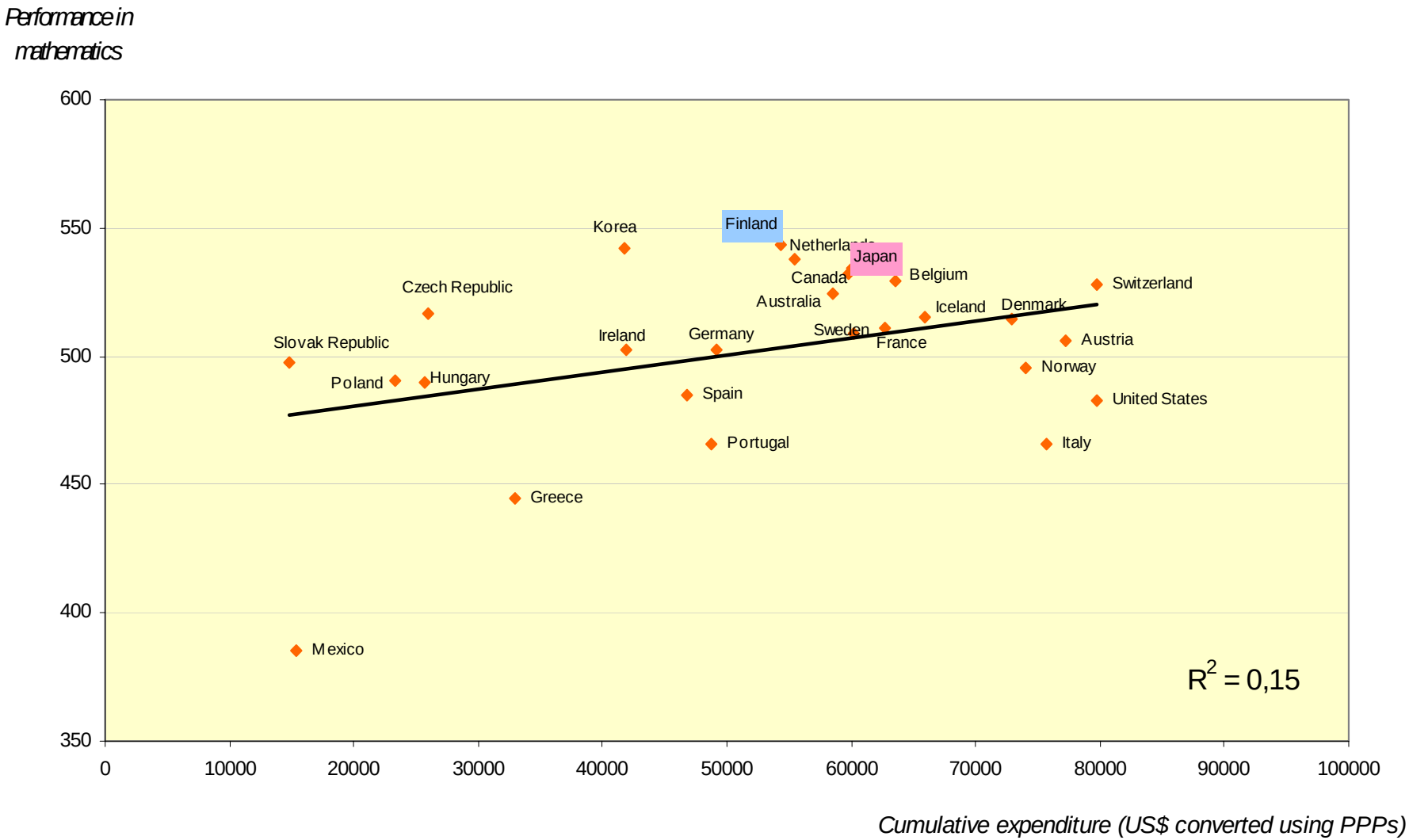
Parental groups have direct influence on



Students groups have direct influence on

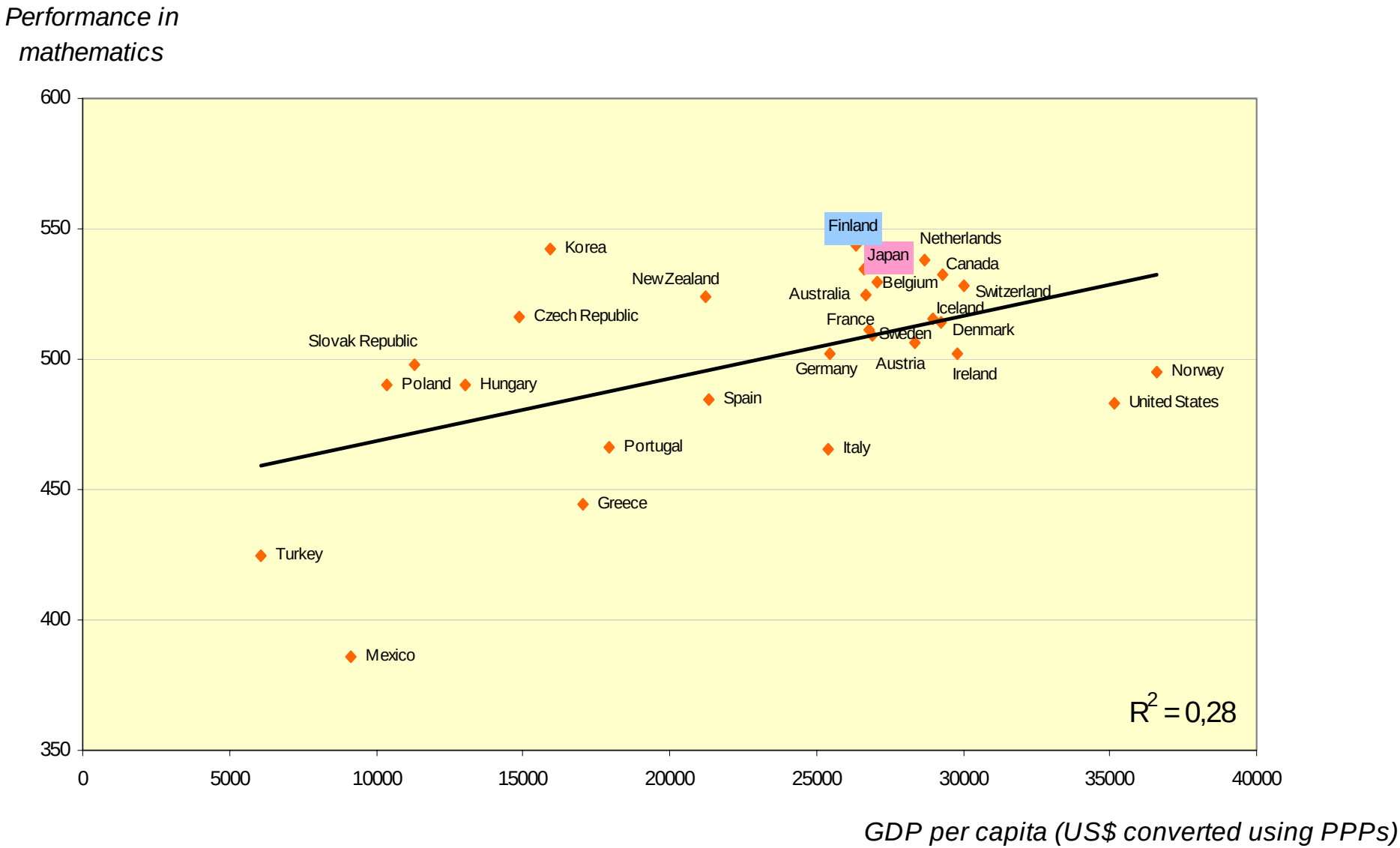


Student performance and spending per student



Source: OECD PISA 2003 database, Table 2.6.

Student performance and national income



Source: OECD PISA 2003 database, Table 2.6.