11+ Standardisation Report – October 2023

Each pupil's raw scores were standardised (μ=100, σ=15). The values used, in 2023, are presented in the table below.

n=4983

2023 *(2024 entry)*	Mean (μ)	Standard Deviation (σ)
English	31.46016	7.7400
Maths	28.33574	11.17574

As in previous years a statistical test was used to assess whether age adjustment was necessary to take account of any apparent bias against younger candidates.

This year, the *t*-test was statistically significant for English; and also for Maths and the corresponding age adjustment factors were calculated.

2023 *(2024 entry)*	Age adjustment
English	0.0123050
Maths	0.0061618

In each case the calculation proceeds as follows:

Standardised score = (((raw score - μ) $\div$ σ) $\times$ 15) + 100

Total score = 1·5 $\times$

[(standardised Mathematics + "days younger" $\times$ Maths age adjustment) + (standardised English + "days younger" $\times$ English age adjustment)]

where "days younger" is calculated as d-o-b *minus* 01/09/2012.

Thus a candidate, born on 01/09/2012, with average marks on each paper will obtain a total of 300, comprising the results in the two papers weighted 1:1.