

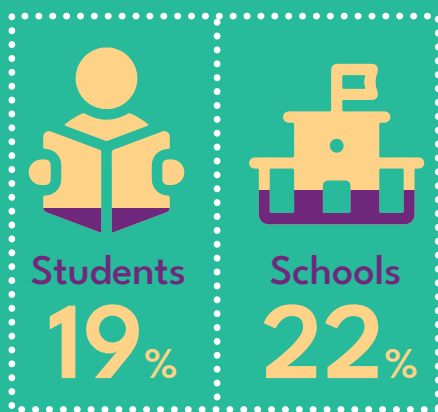
National Achievement Test FINDINGS 2023 SINDH

The National Achievement Test (NAT) is a sample-based assessment that is envisioned to take place every two years in a range of subjects at Grade 4 and Grade 8 level in Pakistan. It is conducted by the National Assessment Wing (NAW) of the Pakistan Institute of Education (PIE), with support from provincial and area education departments. This document provides a snapshot of the findings of NAT 2023 in Sindh to inform the provincial school departments' programming and reforms.



Over 23,000 students participated from 1,283 public schools in May 2023

Out of which, 4,306 students participated from 277 public schools in Sindh



NAT captures the learning environment

- ▶ Academic assessment on **English, Urdu/Sindhi**, as well as **Maths** for Grade 4, and **Maths** and **Science** for Grade 8
- ▶ Perception surveys with headteachers, teachers, parents and students enrolled in Grade 4 and 8



NAT results: students scored the least in Maths and Science

Average student scores for Grade 4 and Grade 8, by subject

Maths GRADE 4



English GRADE 4



Urdu/Sindhi GRADE 4



Science GRADE 8



Maths GRADE 8



The overall performance across all grades and subjects indicates a need for improvement, particularly in Maths and Science (mean scores for these subjects remain below 50%)

Grade 8 students on average scored **49%** in Science

Students at Grade 4 level perform better in Urdu/Sindhi (**69%**) compared to English (**59%**)

Almost 20% of Grade 8 students could not score above 25% in Maths

Percentage of students achieving no more than 25%

| | Maths | English | Urdu/Sindhi |
|---------|-------|---------|-------------|
| GRADE 4 | 12% | 13% | 4% |
| GRADE 8 | 9% | 18% | |

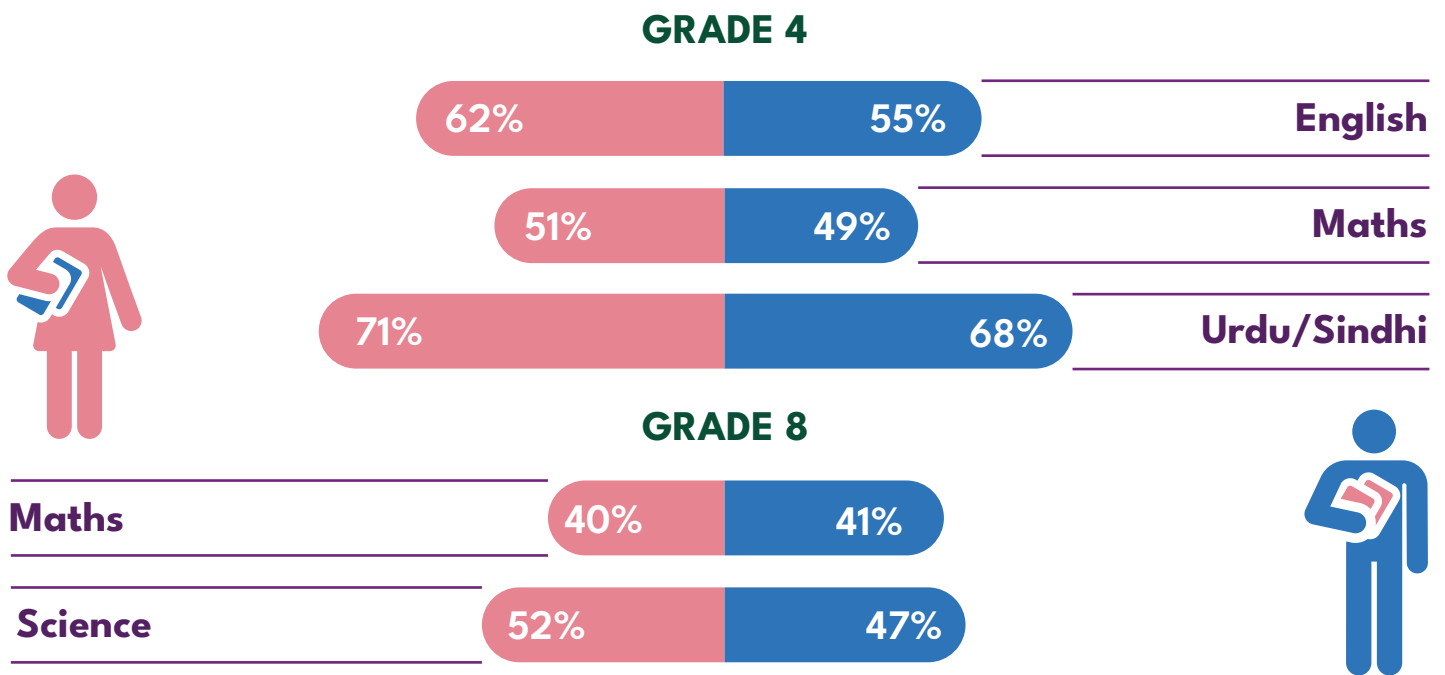


12% of the students assessed in Grade 4 and **18%** assessed in Grade 8 scored **25%** or below in the Maths assessment

13% of the students assessed in English scored less than 25%

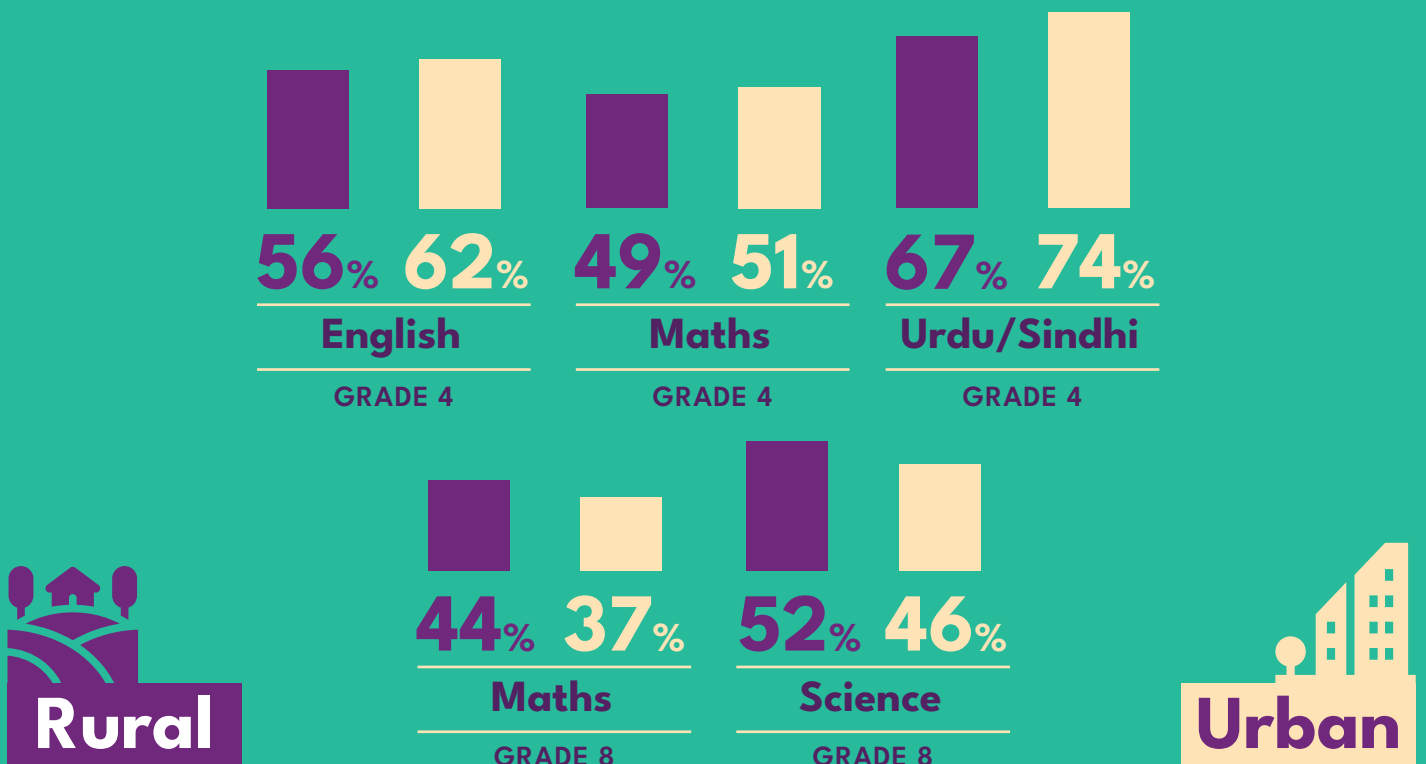
Girls scored higher than boys

Average student scores for Grade 4 and Grade 8, by subject & gender

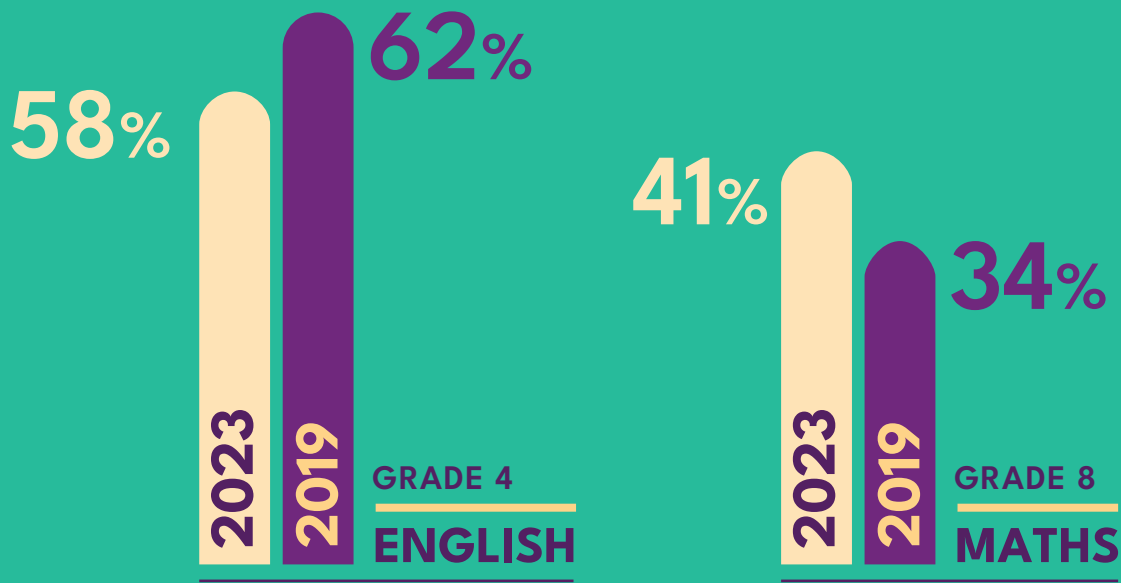


Girls outperform boys in all subjects and grades, except in Maths, where girls and boys achieved similar scores on average

Grade 8 students performed better in rural schools whereas Grade 4 students fared better in urban schools



Student performance improved in Maths but declined in English compared to 2019



Students scored the least in Statistics and Probability in Grade 4 and 8 Maths

Average scores in the weakest content domain for Sindh compared to the national average

Students in Sindh (Orange) Students Nationally (Light Blue)

Maths GRADE 4
Statistics and Probability

43% 43%

Urdu/Sindhi GRADE 4
Grammar

62% 57%

English GRADE 4
Reading & Critical Thinking Skills

58% 56%

Maths GRADE 8
Statistics and Probability

33% 33%

Science GRADE 8
Earth and Space Sciences

43% 44%

