

School Curriculum and Standards Authority

Table 4.12 Mean and standard deviation of moderated school assessments, raw examination marks and correlation coefficients* for WACE course examinations, by sex, 2013

| Course | Sex of student | Total** | Moderated school assessments | | Raw examination marks | | Correlation coefficient |
|--|----------------|---------|------------------------------|---------|-----------------------|---------|-------------------------|
| | | | Mean | Std dev | Mean | Std dev | |
| Accounting and Finance Stage 2 - Written | Male | 12 | 59.40 | 21.55 | 54.43 | 27.12 | 0.94 |
| | Female | 9 | 64.25 | 10.56 | 63.30 | 14.92 | |
| | Persons | 21 | 61.48 | 17.50 | 58.23 | 22.66 | |
| Accounting and Finance Stage 3 - Written | Male | 596 | 59.31 | 14.43 | 62.97 | 16.92 | 0.91 |
| | Female | 635 | 60.71 | 14.28 | 64.17 | 16.99 | |
| | Persons | 1231 | 60.03 | 14.37 | 63.59 | 16.96 | |
| Ancient History Stage 2 - Written | Male | 2 | 62.03 | 1.34 | 62.00 | 0.71 | 0.68 |
| | Female | 3 | 68.34 | 6.11 | 59.83 | 20.71 | |
| | Persons | 5 | 65.81 | 5.57 | 60.70 | 14.70 | |
| Ancient History Stage 3 - Written | Male | 92 | 62.06 | 13.86 | 58.77 | 14.44 | 0.86 |
| | Female | 62 | 60.38 | 13.94 | 58.33 | 13.06 | |
| | Persons | 154 | 61.39 | 13.87 | 58.59 | 13.86 | |
| Animal Production Systems Stage 2 - Written | Male | 10 | 60.78 | 14.94 | 71.58 | 13.69 | 0.70 |
| | Female | 8 | 63.19 | 12.58 | 69.02 | 8.49 | |
| | Persons | 18 | 61.85 | 13.60 | 70.44 | 11.43 | |
| Animal Production Systems Stage 3 - Written | Male | 18 | 58.75 | 11.36 | 57.62 | 6.50 | 0.82 |
| | Female | 34 | 62.82 | 13.90 | 57.00 | 11.38 | |
| | Persons | 52 | 61.41 | 13.11 | 57.22 | 9.90 | |
| Applied Information Technology Stage 2 - Written | Male | 64 | 59.54 | 14.49 | 58.53 | 21.06 | 0.84 |
| | Female | 33 | 61.56 | 14.90 | 58.96 | 20.13 | |
| | Persons | 97 | 60.23 | 14.58 | 58.68 | 20.64 | |
| Applied Information Technology Stage 3 - Written | Male | 455 | 60.11 | 12.82 | 57.76 | 13.24 | 0.71 |
| | Female | 306 | 62.29 | 13.51 | 58.62 | 13.54 | |
| | Persons | 761 | 60.99 | 13.13 | 58.11 | 13.36 | |
| Arabic Stage 3 - Written | Male | 1 | 62.58 | 0.00 | 65.25 | 0.00 | 0.90 |
| | Female | 9 | 64.58 | 12.70 | 63.82 | 13.47 | |
| | Persons | 10 | 64.38 | 11.99 | 63.96 | 12.71 | |
| Aviation Stage 3 - Practical | Male | 43 | 63.25 | 14.33 | 34.00 | 7.15 | 0.72 |
| | Female | 4 | 56.81 | 6.10 | 30.25 | 10.05 | |
| | Persons | 47 | 62.70 | 13.90 | 33.68 | 7.38 | |
| Aviation Stage 3 - Written | Male | 44 | 61.55 | 13.54 | 42.28 | 12.45 | 0.90 |
| | Female | 3 | 53.51 | 9.32 | 30.44 | 8.19 | |
| | Persons | 47 | 61.03 | 13.38 | 41.52 | 12.51 | |
| Biological Sciences Stage 2 - Written | Male | 3 | 44.25 | 18.10 | 44.08 | 17.87 | 0.95 |
| | Female | 2 | 60.19 | 13.00 | 54.38 | 21.74 | |
| | Persons | 5 | 50.63 | 16.80 | 48.20 | 17.60 | |

* Pearson product-moment correlation coefficients between moderated school assessment and raw examination marks for practical and written components of a WACE course/stage.

** The populations consist of all Year 12 students who have a numerical school assessment and a raw examination mark for that component of the course/stage concerned.

School Curriculum and Standards Authority

Table 4.12 Mean and standard deviation of moderated school assessments, raw examination marks and correlation coefficients* for WACE course examinations, by sex, 2013 (cont)

| Course | Sex of student | Total** | Moderated school assessments | | Raw examination marks | | Correlation coefficient |
|--|----------------|---------|------------------------------|---------|-----------------------|---------|-------------------------|
| | | | Mean | Std dev | Mean | Std dev | |
| Biological Sciences Stage 3 - Written | Male | 593 | 56.67 | 13.34 | 57.05 | 13.15 | 0.90 |
| | Female | 1011 | 62.19 | 13.70 | 60.57 | 13.31 | |
| | Persons | 1604 | 60.15 | 13.82 | 59.27 | 13.36 | |
| Business Management and Enterprise Stage 2 - Written | Male | 58 | 57.37 | 15.24 | 42.74 | 18.79 | 0.86 |
| | Female | 93 | 62.68 | 13.14 | 46.34 | 17.53 | |
| | Persons | 151 | 60.64 | 14.17 | 44.96 | 18.05 | |
| Business Management and Enterprise Stage 3 - Written | Male | 318 | 58.21 | 14.89 | 64.26 | 17.63 | 0.80 |
| | Female | 378 | 62.26 | 12.92 | 66.90 | 16.69 | |
| | Persons | 696 | 60.41 | 13.99 | 65.70 | 17.16 | |
| Career and Enterprise Stage 2 - Written | Male | 62 | 58.17 | 13.21 | 60.00 | 17.66 | 0.70 |
| | Female | 79 | 63.68 | 12.35 | 61.80 | 16.74 | |
| | Persons | 141 | 61.26 | 12.99 | 61.01 | 17.11 | |
| Career and Enterprise Stage 3 - Written | Male | 56 | 57.46 | 13.51 | 53.69 | 12.64 | 0.67 |
| | Female | 92 | 63.21 | 12.74 | 59.71 | 11.47 | |
| | Persons | 148 | 61.03 | 13.29 | 57.43 | 12.24 | |
| Chemistry Stage 2 - Written | Male | 0 | N/A | N/A | N/A | N/A | 0.95 |
| | Female | 8 | 45.18 | 12.77 | 45.63 | 13.19 | |
| | Persons | 8 | 45.18 | 12.77 | 45.63 | 13.19 | |
| Chemistry Stage 3 - Written | Male | 2701 | 59.59 | 15.00 | 54.77 | 18.25 | 0.94 |
| | Female | 2168 | 60.21 | 13.83 | 54.34 | 17.36 | |
| | Persons | 4869 | 59.87 | 14.49 | 54.58 | 17.86 | |
| Children, Family and the Community Stage 2 - Written | Male | 1 | 42.45 | 0.00 | 48.72 | 0.00 | 0.70 |
| | Female | 219 | 61.59 | 13.71 | 65.18 | 13.19 | |
| | Persons | 220 | 61.51 | 13.74 | 65.11 | 13.21 | |
| Children, Family and the Community Stage 3 - Written | Male | 0 | N/A | N/A | N/A | N/A | 0.76 |
| | Female | 62 | 60.85 | 13.60 | 70.18 | 10.58 | |
| | Persons | 62 | 60.85 | 13.60 | 70.18 | 10.58 | |
| Chinese: Background Speaker Stage 3 - Written | Male | 18 | 65.64 | 14.24 | 54.69 | 9.50 | 0.78 |
| | Female | 42 | 63.08 | 11.55 | 57.74 | 8.64 | |
| | Persons | 60 | 63.85 | 12.35 | 56.83 | 8.93 | |
| Chinese: Second Language Stage 2 - Practical | Male | 0 | N/A | N/A | N/A | N/A | N/A |
| | Female | 1 | 54.50 | 0.00 | 18.00 | 0.00 | |
| | Persons | 1 | 54.50 | 0.00 | 18.00 | 0.00 | |
| Chinese: Second Language Stage 2 - Written | Male | 0 | N/A | N/A | N/A | N/A | N/A |
| | Female | 1 | 48.62 | 0.00 | 41.46 | 0.00 | |
| | Persons | 1 | 48.62 | 0.00 | 41.46 | 0.00 | |

* Pearson product-moment correlation coefficients between moderated school assessment and raw examination marks for practical and written components of a WACE course/stage.

** The populations consist of all Year 12 students who have a numerical school assessment and a raw examination mark for that component of the course/stage concerned.

School Curriculum and Standards Authority

Table 4.12 Mean and standard deviation of moderated school assessments, raw examination marks and correlation coefficients* for WACE course examinations, by sex, 2013 (cont)

| Course | Sex of student | Total** | Moderated school assessments | | Raw examination marks | | Correlation coefficient |
|--|----------------|---------|------------------------------|---------|-----------------------|---------|-------------------------|
| | | | Mean | Std dev | Mean | Std dev | |
| Chinese: Second Language Stage 3 - Practical | Male | 29 | 61.57 | 15.51 | 31.24 | 6.92 | 0.85 |
| | Female | 21 | 65.60 | 17.51 | 32.86 | 8.38 | |
| | Persons | 50 | 63.26 | 16.33 | 31.92 | 7.53 | |
| Chinese: Second Language Stage 3 - Written | Male | 29 | 56.22 | 11.21 | 39.00 | 13.79 | 0.94 |
| | Female | 21 | 66.20 | 15.48 | 49.49 | 16.15 | |
| | Persons | 50 | 60.41 | 13.94 | 43.41 | 15.57 | |
| Computer Science Stage 2 - Written | Male | 51 | 61.92 | 13.97 | 50.90 | 23.40 | 0.84 |
| | Female | 16 | 59.02 | 12.93 | 46.28 | 19.73 | |
| | Persons | 67 | 61.23 | 13.69 | 49.80 | 22.52 | |
| Computer Science Stage 3 - Written | Male | 289 | 60.04 | 14.71 | 58.39 | 18.03 | 0.91 |
| | Female | 50 | 60.66 | 11.78 | 58.47 | 15.75 | |
| | Persons | 339 | 60.13 | 14.31 | 58.40 | 17.69 | |
| Dance Stage 2 - Practical | Male | 1 | 79.31 | 0.00 | 39.80 | 0.00 | 0.80 |
| | Female | 30 | 60.86 | 13.00 | 30.62 | 5.14 | |
| | Persons | 31 | 61.45 | 13.20 | 30.91 | 5.32 | |
| Dance Stage 2 - Written | Male | 2 | 61.95 | 38.47 | 22.82 | 19.58 | 0.87 |
| | Female | 30 | 61.20 | 13.71 | 28.85 | 8.70 | |
| | Persons | 32 | 61.24 | 14.95 | 28.47 | 9.24 | |
| Dance Stage 3 - Practical | Male | 12 | 59.69 | 15.10 | 34.42 | 8.36 | 0.85 |
| | Female | 295 | 59.83 | 13.69 | 32.18 | 7.35 | |
| | Persons | 307 | 59.83 | 13.72 | 32.27 | 7.39 | |
| Dance Stage 3 - Written | Male | 14 | 43.61 | 11.37 | 19.89 | 7.31 | 0.79 |
| | Female | 303 | 61.37 | 12.89 | 29.61 | 6.09 | |
| | Persons | 317 | 60.58 | 13.32 | 29.18 | 6.46 | |
| Design Stage 2 - Practical | Male | 34 | 57.07 | 15.60 | 22.44 | 6.22 | 0.87 |
| | Female | 53 | 64.55 | 12.19 | 25.26 | 4.86 | |
| | Persons | 87 | 61.63 | 14.02 | 24.16 | 5.57 | |
| Design Stage 2 - Written | Male | 33 | 57.93 | 13.54 | 25.87 | 8.77 | 0.74 |
| | Female | 53 | 63.87 | 13.73 | 31.15 | 6.59 | |
| | Persons | 86 | 61.59 | 13.89 | 29.13 | 7.89 | |
| Design Stage 3 - Practical | Male | 220 | 60.77 | 13.30 | 25.33 | 6.40 | 0.75 |
| | Female | 256 | 63.00 | 14.74 | 26.80 | 6.83 | |
| | Persons | 476 | 61.97 | 14.12 | 26.12 | 6.67 | |
| Design Stage 3 - Written | Male | 221 | 58.88 | 12.55 | 29.36 | 7.69 | 0.70 |
| | Female | 254 | 63.97 | 13.65 | 32.43 | 7.93 | |
| | Persons | 475 | 61.60 | 13.38 | 31.00 | 7.96 | |

* Pearson product-moment correlation coefficients between moderated school assessment and raw examination marks for practical and written components of a WACE course/stage.

** The populations consist of all Year 12 students who have a numerical school assessment and a raw examination mark for that component of the course/stage concerned.

School Curriculum and Standards Authority

Table 4.12 Mean and standard deviation of moderated school assessments, raw examination marks and correlation coefficients* for WACE course examinations, by sex, 2013 (cont)

| Course | Sex of student | Total** | Moderated school assessments | | Raw examination marks | | Correlation coefficient |
|--|----------------|---------|------------------------------|---------|-----------------------|---------|-------------------------|
| | | | Mean | Std dev | Mean | Std dev | |
| Drama Stage 2 - Practical | Male | 12 | 60.42 | 14.62 | 61.00 | 12.76 | 0.85 |
| | Female | 15 | 61.43 | 12.60 | 65.43 | 15.73 | |
| | Persons | 27 | 60.98 | 13.27 | 63.46 | 14.39 | |
| Drama Stage 2 - Written | Male | 13 | 59.85 | 14.90 | 60.35 | 20.64 | 0.92 |
| | Female | 16 | 62.78 | 16.66 | 63.00 | 26.54 | |
| | Persons | 29 | 61.46 | 15.69 | 61.81 | 23.70 | |
| Drama Stage 3 - Practical | Male | 248 | 61.61 | 14.36 | 64.81 | 14.30 | 0.82 |
| | Female | 636 | 60.41 | 13.25 | 63.20 | 12.93 | |
| | Persons | 884 | 60.75 | 13.57 | 63.65 | 13.34 | |
| Drama Stage 3 - Written | Male | 249 | 56.23 | 13.54 | 48.55 | 12.36 | 0.83 |
| | Female | 641 | 62.14 | 13.55 | 54.09 | 13.05 | |
| | Persons | 890 | 60.49 | 13.80 | 52.54 | 13.10 | |
| Earth and Environmental Science Stage 2 - Written | Male | 4 | 58.29 | 8.73 | 31.19 | 13.77 | 0.93 |
| | Female | 10 | 64.74 | 17.09 | 42.09 | 21.84 | |
| | Persons | 14 | 62.90 | 15.13 | 38.98 | 20.00 | |
| Earth and Environmental Science Stage 3 - Written | Male | 130 | 57.14 | 12.62 | 59.19 | 13.70 | 0.86 |
| | Female | 114 | 63.56 | 13.40 | 63.20 | 13.96 | |
| | Persons | 244 | 60.14 | 13.35 | 61.07 | 13.94 | |
| Economics Stage 2 - Written | Male | 8 | 56.71 | 9.90 | 36.31 | 10.07 | 0.86 |
| | Female | 4 | 74.66 | 19.40 | 49.00 | 18.78 | |
| | Persons | 12 | 62.69 | 15.59 | 40.54 | 14.14 | |
| Economics Stage 3 - Written | Male | 1095 | 59.76 | 13.93 | 54.53 | 16.40 | 0.89 |
| | Female | 925 | 60.74 | 14.04 | 54.01 | 16.81 | |
| | Persons | 2020 | 60.21 | 13.99 | 54.29 | 16.59 | |
| Engineering Studies Stage 2 - Written | Male | 16 | 64.08 | 14.55 | 54.67 | 20.13 | 0.79 |
| | Female | 0 | N/A | N/A | N/A | N/A | |
| | Persons | 16 | 64.08 | 14.55 | 54.67 | 20.13 | |
| Engineering Studies Stage 3 - Written | Male | 246 | 60.47 | 13.55 | 61.46 | 16.86 | 0.83 |
| | Female | 7 | 60.34 | 8.67 | 54.64 | 14.03 | |
| | Persons | 253 | 60.47 | 13.42 | 61.27 | 16.80 | |
| English as an Additional Language or Dialect Stage 2 - Practical | Male | 127 | 57.66 | 14.11 | 15.03 | 3.44 | 0.75 |
| | Female | 121 | 64.08 | 11.42 | 16.25 | 3.27 | |
| | Persons | 248 | 60.79 | 13.24 | 15.63 | 3.41 | |
| English as an Additional Language or Dialect Stage 2 - Written | Male | 128 | 56.30 | 15.40 | 39.47 | 13.06 | 0.87 |
| | Female | 122 | 63.78 | 12.65 | 45.23 | 11.00 | |
| | Persons | 250 | 59.95 | 14.59 | 42.28 | 12.42 | |

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Table 4.12 Mean and standard deviation of moderated school assessments, raw examination marks and correlation coefficients* for WACE course examinations, by sex, 2013 (cont)

| Course | Sex of student | Total** | Moderated school assessments | | Raw examination marks | | Correlation coefficient |
|--|----------------|---------|------------------------------|---------|-----------------------|---------|-------------------------|
| | | | Mean | Std dev | Mean | Std dev | |
| English as an Additional Language or Dialect Stage 3 - Practical | Male | 456 | 59.87 | 12.76 | 15.53 | 3.41 | 0.70 |
| | Female | 549 | 62.52 | 13.10 | 15.92 | 3.49 | |
| | Persons | 1005 | 61.32 | 13.01 | 15.74 | 3.46 | |
| English as an Additional Language or Dialect Stage 3 - Written | Male | 464 | 58.85 | 12.88 | 45.43 | 9.01 | 0.80 |
| | Female | 550 | 62.60 | 12.33 | 46.99 | 8.59 | |
| | Persons | 1014 | 60.88 | 12.72 | 46.28 | 8.81 | |
| English Stage 2 - Written | Male | 1030 | 59.42 | 11.88 | 49.79 | 13.99 | 0.69 |
| | Female | 847 | 63.31 | 12.35 | 53.51 | 12.28 | |
| | Persons | 1877 | 61.18 | 12.24 | 51.47 | 13.37 | |
| English Stage 3 - Written | Male | 4256 | 57.39 | 11.82 | 49.58 | 10.55 | 0.74 |
| | Female | 4973 | 62.75 | 11.94 | 53.41 | 10.53 | |
| | Persons | 9229 | 60.28 | 12.18 | 51.64 | 10.71 | |
| Food Science and Technology Stage 2 - Written | Male | 22 | 51.93 | 14.88 | 43.51 | 16.32 | 0.78 |
| | Female | 160 | 61.57 | 12.87 | 54.25 | 13.57 | |
| | Persons | 182 | 60.40 | 13.46 | 52.95 | 14.32 | |
| Food Science and Technology Stage 3 - Written | Male | 17 | 60.44 | 12.40 | 48.61 | 13.16 | 0.81 |
| | Female | 61 | 61.23 | 14.72 | 52.10 | 14.07 | |
| | Persons | 78 | 61.06 | 14.18 | 51.34 | 13.87 | |
| French Stage 2 - Practical | Male | 0 | N/A | N/A | N/A | N/A | N/A |
| | Female | 1 | 43.50 | 0.00 | 12.00 | 0.00 | |
| | Persons | 1 | 43.50 | 0.00 | 12.00 | 0.00 | |
| French Stage 2 - Written | Male | 0 | N/A | N/A | N/A | N/A | N/A |
| | Female | 1 | 64.32 | 0.00 | 40.49 | 0.00 | |
| | Persons | 1 | 64.32 | 0.00 | 40.49 | 0.00 | |
| French Stage 3 - Practical | Male | 108 | 61.96 | 16.34 | 21.08 | 5.92 | 0.86 |
| | Female | 333 | 62.29 | 14.15 | 21.20 | 4.99 | |
| | Persons | 441 | 62.21 | 14.70 | 21.17 | 5.23 | |
| French Stage 3 - Written | Male | 108 | 60.42 | 15.43 | 38.51 | 10.61 | 0.94 |
| | Female | 335 | 60.80 | 14.01 | 38.73 | 10.00 | |
| | Persons | 443 | 60.71 | 14.35 | 38.68 | 10.14 | |
| Geography Stage 2 - Written | Male | 9 | 58.37 | 14.82 | 54.67 | 20.23 | 0.86 |
| | Female | 19 | 61.64 | 12.99 | 62.50 | 17.09 | |
| | Persons | 28 | 60.59 | 13.42 | 59.98 | 18.16 | |
| Geography Stage 3 - Written | Male | 948 | 59.24 | 12.60 | 57.60 | 11.48 | 0.81 |
| | Female | 1064 | 61.90 | 13.55 | 58.33 | 12.31 | |
| | Persons | 2012 | 60.65 | 13.17 | 57.98 | 11.93 | |

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|--|----------------|---------|------------------------------|---------|-----------------------|---------|-------------------------|
| | | | Mean | Std dev | Mean | Std dev | |
| German Stage 3 - Practical | Male | 35 | 61.47 | 15.61 | 18.19 | 4.42 | 0.83 |
| | Female | 43 | 66.60 | 17.98 | 19.69 | 4.34 | |
| | Persons | 78 | 64.30 | 17.04 | 19.01 | 4.41 | |
| German Stage 3 - Written | Male | 35 | 60.42 | 15.36 | 48.78 | 13.82 | 0.96 |
| | Female | 43 | 61.90 | 14.40 | 49.89 | 13.12 | |
| | Persons | 78 | 61.23 | 14.76 | 49.39 | 13.36 | |
| Health Studies Stage 2 - Written | Male | 18 | 52.58 | 11.87 | 56.61 | 10.38 | 0.80 |
| | Female | 45 | 65.25 | 13.39 | 67.40 | 13.04 | |
| | Persons | 63 | 61.63 | 14.11 | 64.32 | 13.20 | |
| Health Studies Stage 3 - Written | Male | 50 | 53.98 | 14.56 | 52.05 | 16.83 | 0.80 |
| | Female | 227 | 62.11 | 12.93 | 60.22 | 13.61 | |
| | Persons | 277 | 60.64 | 13.58 | 58.74 | 14.55 | |
| Hebrew Stage 3 - Written | Male | 3 | 78.61 | 8.70 | 81.17 | 4.63 | 0.71 |
| | Female | 2 | 75.84 | 4.60 | 72.01 | 6.19 | |
| | Persons | 5 | 77.50 | 6.74 | 77.50 | 6.74 | |
| Human Biological Science Stage 2 - Written | Male | 28 | 59.77 | 13.04 | 56.08 | 10.45 | 0.88 |
| | Female | 80 | 60.33 | 14.36 | 55.74 | 14.48 | |
| | Persons | 108 | 60.18 | 13.97 | 55.83 | 13.50 | |
| Human Biological Science Stage 3 - Written | Male | 1259 | 58.41 | 13.81 | 50.47 | 14.64 | 0.91 |
| | Female | 2724 | 60.80 | 13.86 | 52.56 | 14.87 | |
| | Persons | 3983 | 60.05 | 13.89 | 51.90 | 14.83 | |
| Indonesian: Background Speaker Stage 3 - Written | Male | 0 | N/A | N/A | N/A | N/A | -0.34 |
| | Female | 4 | 47.25 | 7.44 | 43.50 | 2.04 | |
| | Persons | 4 | 47.25 | 7.44 | 43.50 | 2.04 | |
| Indonesian: Second Language Stage 2 - Practical | Male | 0 | N/A | N/A | N/A | N/A | 1.00 |
| | Female | 3 | 54.83 | 30.35 | 21.33 | 12.34 | |
| | Persons | 3 | 54.83 | 30.35 | 21.33 | 12.34 | |
| Indonesian: Second Language Stage 2 - Written | Male | 0 | N/A | N/A | N/A | N/A | 1.00 |
| | Female | 3 | 55.53 | 32.31 | 33.13 | 19.41 | |
| | Persons | 3 | 55.53 | 32.31 | 33.13 | 19.41 | |
| Indonesian: Second Language Stage 3 - Practical | Male | 38 | 63.87 | 16.20 | 27.11 | 9.00 | 0.90 |
| | Female | 46 | 59.54 | 11.90 | 25.87 | 6.80 | |
| | Persons | 84 | 61.50 | 14.09 | 26.43 | 7.85 | |
| Indonesian: Second Language Stage 3 - Written | Male | 38 | 61.45 | 17.40 | 34.30 | 11.96 | 0.96 |
| | Female | 46 | 59.50 | 12.11 | 33.09 | 9.38 | |
| | Persons | 84 | 60.38 | 14.67 | 33.64 | 10.57 | |

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| Course | Sex of student | Total** | Moderated school assessments | | Raw examination marks | | Correlation coefficient |
|--|----------------|---------|------------------------------|---------|-----------------------|---------|-------------------------|
| | | | Mean | Std dev | Mean | Std dev | |
| Integrated Science Stage 2 - Written | Male | 16 | 54.83 | 13.78 | 54.63 | 14.45 | 0.63 |
| | Female | 26 | 66.69 | 11.98 | 58.28 | 9.61 | |
| | Persons | 42 | 62.17 | 13.82 | 56.89 | 11.66 | |
| Integrated Science Stage 3 - Written | Male | 43 | 59.14 | 14.46 | 57.56 | 10.27 | 0.81 |
| | Female | 56 | 64.00 | 11.91 | 58.20 | 9.72 | |
| | Persons | 99 | 61.89 | 13.23 | 57.93 | 9.92 | |
| Italian Stage 2 - Practical | Male | 0 | N/A | N/A | N/A | N/A | 0.91 |
| | Female | 5 | 55.69 | 21.52 | 12.88 | 7.31 | |
| | Persons | 5 | 55.69 | 21.52 | 12.88 | 7.31 | |
| Italian Stage 2 - Written | Male | 0 | N/A | N/A | N/A | N/A | 0.96 |
| | Female | 5 | 64.24 | 12.87 | 47.87 | 12.24 | |
| | Persons | 5 | 64.24 | 12.87 | 47.87 | 12.24 | |
| Italian Stage 3 - Practical | Male | 55 | 59.46 | 15.26 | 17.85 | 5.87 | 0.91 |
| | Female | 202 | 61.48 | 14.77 | 18.75 | 6.00 | |
| | Persons | 257 | 61.04 | 14.87 | 18.56 | 5.97 | |
| Italian Stage 3 - Written | Male | 55 | 58.67 | 13.42 | 37.91 | 11.58 | 0.94 |
| | Female | 203 | 61.00 | 14.61 | 40.84 | 11.42 | |
| | Persons | 258 | 60.51 | 14.37 | 40.21 | 11.49 | |
| Japanese: Background Speaker Stage 3 - Written | Male | 1 | 74.75 | 0.00 | 59.50 | 0.00 | N/A |
| | Female | 0 | N/A | N/A | N/A | N/A | |
| | Persons | 1 | 74.75 | 0.00 | 59.50 | 0.00 | |
| Japanese: Second Language Stage 2 - Practical | Male | 5 | 50.74 | 23.80 | 10.20 | 4.66 | 0.98 |
| | Female | 3 | 69.59 | 29.65 | 13.00 | 6.24 | |
| | Persons | 8 | 57.81 | 25.88 | 11.25 | 5.06 | |
| Japanese: Second Language Stage 2 - Written | Male | 5 | 49.94 | 22.56 | 33.88 | 20.98 | 0.99 |
| | Female | 4 | 71.45 | 19.18 | 49.07 | 17.01 | |
| | Persons | 9 | 59.50 | 22.83 | 40.63 | 19.81 | |
| Japanese: Second Language Stage 3 - Practical | Male | 74 | 60.76 | 14.11 | 12.72 | 4.28 | 0.90 |
| | Female | 182 | 62.64 | 15.28 | 12.63 | 4.29 | |
| | Persons | 256 | 62.10 | 14.95 | 12.65 | 4.28 | |
| Japanese: Second Language Stage 3 - Written | Male | 73 | 59.17 | 14.23 | 40.27 | 15.46 | 0.96 |
| | Female | 182 | 60.23 | 14.94 | 41.76 | 15.17 | |
| | Persons | 255 | 59.93 | 14.72 | 41.33 | 15.24 | |
| Literature Stage 2 - Written | Male | 7 | 58.32 | 15.83 | 68.51 | 14.87 | 0.64 |
| | Female | 9 | 66.55 | 12.41 | 64.64 | 6.70 | |
| | Persons | 16 | 62.95 | 14.15 | 66.33 | 10.79 | |

* Pearson product-moment correlation coefficients between moderated school assessment and raw examination marks for practical and written components of a WACE course/stage.

** The populations consist of all Year 12 students who have a numerical school assessment and a raw examination mark for that component of the course/stage concerned.

School Curriculum and Standards Authority

Table 4.12 Mean and standard deviation of moderated school assessments, raw examination marks and correlation coefficients* for WACE course examinations, by sex, 2013 (cont)

| Course | Sex of student | Total** | Moderated school assessments | | Raw examination marks | | Correlation coefficient |
|---|----------------|---------|------------------------------|---------|-----------------------|---------|-------------------------|
| | | | Mean | Std dev | Mean | Std dev | |
| Literature Stage 3 - Written | Male | 542 | 59.30 | 13.58 | 62.12 | 11.83 | 0.74 |
| | Female | 1166 | 61.19 | 12.28 | 63.56 | 10.59 | |
| | Persons | 1708 | 60.59 | 12.73 | 63.11 | 11.01 | |
| Marine and Maritime Studies Stage 3 - Written | Male | 29 | 59.31 | 10.99 | 64.06 | 11.56 | 0.83 |
| | Female | 33 | 64.04 | 14.00 | 68.63 | 11.89 | |
| | Persons | 62 | 61.83 | 12.80 | 66.50 | 11.86 | |
| Materials Design and Technology Stage 2 - Practical | Male | 31 | 51.45 | 8.83 | 11.68 | 3.88 | 0.86 |
| | Female | 53 | 67.05 | 15.53 | 18.87 | 5.39 | |
| | Persons | 84 | 61.30 | 15.38 | 16.21 | 5.99 | |
| Materials Design and Technology Stage 2 - Written | Male | 32 | 57.31 | 13.59 | 24.77 | 8.41 | 0.85 |
| | Female | 52 | 63.15 | 14.07 | 27.77 | 6.86 | |
| | Persons | 84 | 60.92 | 14.10 | 26.63 | 7.58 | |
| Materials Design and Technology Stage 3 - Practical | Male | 136 | 57.62 | 14.92 | 19.82 | 7.01 | 0.86 |
| | Female | 78 | 67.37 | 13.28 | 24.40 | 4.90 | |
| | Persons | 214 | 61.17 | 15.06 | 21.49 | 6.69 | |
| Materials Design and Technology Stage 3 - Written | Male | 131 | 60.63 | 13.00 | 24.85 | 5.74 | 0.72 |
| | Female | 77 | 62.88 | 13.93 | 26.05 | 6.44 | |
| | Persons | 208 | 61.46 | 13.36 | 25.30 | 6.02 | |
| Mathematics Stage 2AB - Written | Male | 189 | 59.81 | 14.32 | 72.03 | 26.17 | 0.90 |
| | Female | 197 | 60.43 | 13.89 | 73.96 | 24.07 | |
| | Persons | 386 | 60.12 | 14.09 | 73.02 | 25.11 | |
| Mathematics Stage 2CD - Written | Male | 1696 | 58.74 | 13.62 | 82.51 | 23.34 | 0.88 |
| | Female | 2262 | 61.08 | 13.60 | 86.41 | 21.91 | |
| | Persons | 3958 | 60.08 | 13.66 | 84.74 | 22.61 | |
| Mathematics Stage 3AB - Written | Male | 2167 | 58.74 | 13.72 | 80.40 | 23.64 | 0.91 |
| | Female | 2525 | 60.89 | 14.08 | 83.97 | 24.09 | |
| | Persons | 4692 | 59.90 | 13.96 | 82.32 | 23.95 | |
| Mathematics Stage 3CD - Written | Male | 2365 | 59.81 | 14.99 | 96.47 | 27.28 | 0.93 |
| | Female | 1531 | 60.09 | 13.84 | 95.77 | 25.64 | |
| | Persons | 3896 | 59.92 | 14.55 | 96.20 | 26.65 | |
| Mathematics: Specialist Stage 3AB - Written | Male | 25 | 60.18 | 15.19 | 90.18 | 29.27 | 0.92 |
| | Female | 10 | 62.13 | 11.97 | 94.80 | 22.79 | |
| | Persons | 35 | 60.74 | 14.20 | 91.50 | 27.33 | |
| Mathematics: Specialist Stage 3CD - Written | Male | 1081 | 59.42 | 14.87 | 83.23 | 25.89 | 0.94 |
| | Female | 442 | 60.32 | 13.29 | 82.79 | 24.92 | |
| | Persons | 1523 | 59.68 | 14.43 | 83.10 | 25.61 | |

* Pearson product-moment correlation coefficients between moderated school assessment and raw examination marks for practical and written components of a WACE course/stage.

** The populations consist of all Year 12 students who have a numerical school assessment and a raw examination mark for that component of the course/stage concerned.

School Curriculum and Standards Authority

Table 4.12 Mean and standard deviation of moderated school assessments, raw examination marks and correlation coefficients* for WACE course examinations, by sex, 2013 (cont)

| Course | Sex of student | Total** | Moderated school assessments | | Raw examination marks | | Correlation coefficient |
|---|----------------|---------|------------------------------|---------|-----------------------|---------|-------------------------|
| | | | Mean | Std dev | Mean | Std dev | |
| Media Production and Analysis Stage 2 - Practical | Male | 19 | 65.49 | 13.11 | 23.16 | 5.24 | 0.43 |
| | Female | 33 | 65.22 | 12.39 | 23.33 | 5.59 | |
| | Persons | 52 | 65.32 | 12.53 | 23.27 | 5.42 | |
| Media Production and Analysis Stage 2 - Written | Male | 18 | 59.88 | 13.13 | 29.75 | 7.13 | 0.64 |
| | Female | 30 | 64.20 | 13.81 | 32.17 | 7.28 | |
| | Persons | 48 | 62.58 | 13.59 | 31.26 | 7.25 | |
| Media Production and Analysis Stage 3 - Practical | Male | 336 | 60.23 | 14.06 | 23.52 | 5.72 | 0.72 |
| | Female | 565 | 63.16 | 13.03 | 24.47 | 5.07 | |
| | Persons | 901 | 62.06 | 13.49 | 24.12 | 5.34 | |
| Media Production and Analysis Stage 3 - Written | Male | 325 | 56.50 | 13.20 | 27.05 | 6.81 | 0.77 |
| | Female | 561 | 62.54 | 12.96 | 29.25 | 6.26 | |
| | Persons | 886 | 60.33 | 13.36 | 28.44 | 6.55 | |
| Modern Greek Stage 3 - Written | Male | 3 | 72.11 | 17.12 | 70.50 | 17.41 | 0.99 |
| | Female | 2 | 67.51 | 13.63 | 69.92 | 13.79 | |
| | Persons | 5 | 70.27 | 14.12 | 70.27 | 14.12 | |
| Modern History Stage 2 - Written | Male | 7 | 58.64 | 9.95 | 27.57 | 9.67 | 0.87 |
| | Female | 10 | 66.24 | 12.85 | 35.70 | 17.70 | |
| | Persons | 17 | 63.11 | 12.04 | 32.35 | 15.11 | |
| Modern History Stage 3 - Written | Male | 883 | 58.71 | 13.53 | 54.60 | 13.67 | 0.80 |
| | Female | 1648 | 61.51 | 13.16 | 57.00 | 13.15 | |
| | Persons | 2531 | 60.53 | 13.36 | 56.16 | 13.38 | |
| Music Stage 2 - Practical | Male | 2 | 74.31 | 0.35 | 35.31 | 0.35 | 0.95 |
| | Female | 6 | 57.73 | 12.66 | 28.86 | 6.33 | |
| | Persons | 8 | 61.87 | 13.17 | 30.47 | 6.13 | |
| Music Stage 2 - Written | Male | 3 | 56.64 | 6.63 | 9.57 | 10.41 | 0.97 |
| | Female | 7 | 66.65 | 21.31 | 21.07 | 16.51 | |
| | Persons | 10 | 63.64 | 18.33 | 17.62 | 15.38 | |
| Music Stage 3 - Practical | Male | 176 | 62.51 | 14.50 | 32.35 | 8.86 | 0.85 |
| | Female | 211 | 59.42 | 14.09 | 30.85 | 8.65 | |
| | Persons | 387 | 60.83 | 14.34 | 31.53 | 8.77 | |
| Music Stage 3 - Written | Male | 183 | 59.62 | 15.85 | 24.70 | 9.75 | 0.95 |
| | Female | 213 | 59.67 | 13.46 | 24.92 | 8.17 | |
| | Persons | 396 | 59.65 | 14.59 | 24.82 | 8.92 | |
| Outdoor Education Stage 2 - Written | Male | 18 | 62.45 | 15.08 | 56.80 | 19.50 | 0.88 |
| | Female | 13 | 61.76 | 16.48 | 54.85 | 19.22 | |
| | Persons | 31 | 62.16 | 15.41 | 55.98 | 19.09 | |

* Pearson product-moment correlation coefficients between moderated school assessment and raw examination marks for practical and written components of a WACE course/stage.

** The populations consist of all Year 12 students who have a numerical school assessment and a raw examination mark for that component of the course/stage concerned.

School Curriculum and Standards Authority

Table 4.12 Mean and standard deviation of moderated school assessments, raw examination marks and correlation coefficients* for WACE course examinations, by sex, 2013 (cont)

| Course | Sex of student | Total** | Moderated school assessments | | Raw examination marks | | Correlation coefficient |
|--|----------------|---------|------------------------------|---------|-----------------------|---------|-------------------------|
| | | | Mean | Std dev | Mean | Std dev | |
| Outdoor Education Stage 3 - Written | Male | 141 | 57.15 | 12.89 | 52.73 | 12.35 | 0.75 |
| | Female | 163 | 64.06 | 12.43 | 57.61 | 12.80 | |
| | Persons | 304 | 60.86 | 13.09 | 55.35 | 12.81 | |
| Philosophy and Ethics Stage 2 - Written | Male | 1 | 72.71 | 0.00 | 73.00 | 0.00 | 0.03 |
| | Female | 3 | 57.86 | 11.15 | 43.83 | 15.00 | |
| | Persons | 4 | 61.58 | 11.75 | 51.13 | 19.05 | |
| Philosophy and Ethics Stage 3 - Written | Male | 87 | 62.48 | 14.55 | 61.60 | 15.74 | 0.74 |
| | Female | 80 | 60.66 | 13.13 | 61.44 | 14.20 | |
| | Persons | 167 | 61.61 | 13.88 | 61.52 | 14.98 | |
| Physical Education Studies Stage 2 - Written | Male | 69 | 59.44 | 13.78 | 35.67 | 8.81 | 0.82 |
| | Female | 46 | 64.05 | 14.10 | 37.18 | 8.33 | |
| | Persons | 115 | 61.28 | 14.04 | 36.28 | 8.62 | |
| Physical Education Studies Stage 3 - Written | Male | 1102 | 59.73 | 13.50 | 45.19 | 8.67 | 0.80 |
| | Female | 912 | 61.13 | 13.48 | 44.87 | 8.63 | |
| | Persons | 2014 | 60.36 | 13.50 | 45.04 | 8.65 | |
| Physics Stage 2 - Written | Male | 15 | 59.88 | 16.23 | 64.85 | 18.19 | 0.92 |
| | Female | 12 | 65.79 | 12.08 | 71.05 | 12.96 | |
| | Persons | 27 | 62.51 | 14.58 | 67.60 | 16.09 | |
| Physics Stage 3 - Written | Male | 2648 | 59.55 | 14.77 | 59.45 | 16.95 | 0.92 |
| | Female | 1015 | 60.69 | 13.51 | 60.14 | 15.92 | |
| | Persons | 3663 | 59.87 | 14.44 | 59.64 | 16.67 | |
| Plant Production Systems Stage 2 - Written | Male | 10 | 59.69 | 16.26 | 71.36 | 11.00 | 0.74 |
| | Female | 8 | 63.16 | 11.90 | 72.30 | 6.86 | |
| | Persons | 18 | 61.24 | 14.19 | 71.78 | 9.14 | |
| Plant Production Systems Stage 3 - Written | Male | 16 | 60.30 | 12.78 | 60.87 | 10.41 | 0.86 |
| | Female | 23 | 61.17 | 15.40 | 61.69 | 13.14 | |
| | Persons | 39 | 60.81 | 14.21 | 61.35 | 11.95 | |
| Polish Stage 3 - Written | Male | 3 | 71.05 | 13.58 | 67.11 | 13.47 | 0.88 |
| | Female | 4 | 84.22 | 8.98 | 85.84 | 7.76 | |
| | Persons | 7 | 78.58 | 12.30 | 77.81 | 13.81 | |
| Politics and Law Stage 2 - Written | Male | 6 | 60.13 | 16.95 | 58.17 | 13.71 | 0.92 |
| | Female | 5 | 67.05 | 12.12 | 71.20 | 14.30 | |
| | Persons | 11 | 63.27 | 14.68 | 64.09 | 14.90 | |
| Politics and Law Stage 3 - Written | Male | 282 | 58.11 | 14.30 | 49.28 | 18.14 | 0.88 |
| | Female | 604 | 61.00 | 13.89 | 52.19 | 17.12 | |
| | Persons | 886 | 60.08 | 14.08 | 51.26 | 17.50 | |

* Pearson product-moment correlation coefficients between moderated school assessment and raw examination marks for practical and written components of a WACE course/stage.

** The populations consist of all Year 12 students who have a numerical school assessment and a raw examination mark for that component of the course/stage concerned.

School Curriculum and Standards Authority

Table 4.12 Mean and standard deviation of moderated school assessments, raw examination marks and correlation coefficients* for WACE course examinations, by sex, 2013 (cont)

| Course | Sex of student | Total** | Moderated school assessments | | Raw examination marks | | Correlation coefficient |
|-------------------------------------|----------------|---------|------------------------------|---------|-----------------------|---------|-------------------------|
| | | | Mean | Std dev | Mean | Std dev | |
| Psychology Stage 2 - Written | Male | 34 | 55.13 | 12.87 | 49.49 | 14.46 | 0.85 |
| | Female | 79 | 62.66 | 14.00 | 55.73 | 14.31 | |
| | Persons | 113 | 60.39 | 14.05 | 53.85 | 14.58 | |
| Psychology Stage 3 - Written | Male | 203 | 56.30 | 13.74 | 50.21 | 14.03 | 0.85 |
| | Female | 746 | 61.18 | 13.77 | 54.45 | 14.45 | |
| | Persons | 949 | 60.13 | 13.90 | 53.54 | 14.46 | |
| Religion and Life Stage 2 - Written | Male | 78 | 59.50 | 12.42 | 53.96 | 13.67 | 0.69 |
| | Female | 72 | 63.94 | 12.11 | 57.31 | 10.80 | |
| | Persons | 150 | 61.63 | 12.43 | 55.57 | 12.45 | |
| Religion and Life Stage 3 - Written | Male | 637 | 58.00 | 12.38 | 56.27 | 11.11 | 0.74 |
| | Female | 1104 | 62.84 | 13.25 | 59.70 | 11.67 | |
| | Persons | 1741 | 61.07 | 13.14 | 58.45 | 11.58 | |
| Visual Arts Stage 2 - Practical | Male | 4 | 59.46 | 14.02 | 23.75 | 10.08 | 0.70 |
| | Female | 33 | 61.59 | 17.25 | 24.09 | 6.94 | |
| | Persons | 37 | 61.36 | 16.77 | 24.05 | 7.16 | |
| Visual Arts Stage 2 - Written | Male | 3 | 56.23 | 10.58 | 26.67 | 6.23 | 0.69 |
| | Female | 29 | 61.71 | 14.32 | 30.11 | 10.68 | |
| | Persons | 32 | 61.20 | 13.97 | 29.79 | 10.33 | |
| Visual Arts Stage 3 - Practical | Male | 205 | 61.83 | 14.21 | 21.42 | 5.68 | 0.79 |
| | Female | 858 | 61.37 | 13.53 | 20.91 | 5.52 | |
| | Persons | 1063 | 61.46 | 13.65 | 21.01 | 5.55 | |
| Visual Arts Stage 3 - Written | Male | 202 | 57.93 | 13.18 | 26.28 | 7.76 | 0.73 |
| | Female | 844 | 61.87 | 12.75 | 28.49 | 6.85 | |
| | Persons | 1046 | 61.11 | 12.92 | 28.06 | 7.09 | |

* Pearson product-moment correlation coefficients between moderated school assessment and raw examination marks for practical and written components of a WACE course/stage.

** The populations consist of all Year 12 students who have a numerical school assessment and a raw examination mark for that component of the course/stage concerned.