

School Curriculum and Standards Authority

Table 4.14 Relationship between raw examination marks and standardised examination marks* for WACE course examinations, 2012

Note: The raw examination marks of small candidature examinations and interstate language examinations (except for Chinese: Second Language Stage 3) were not standardised and, as such, are not listed.

Course		Percentile Rank											PopIn	Mean	Std.
Standardised Mark		0%	0.2%	0.9%	2.9%	8.9%	24%	50.5%	77%	92.1%	98.1%	Top			Dev.
		0	10	20	30	40	50	60	70	80	90	100			
ACF2W	Accounting and Finance Stage 2 - Written	0.00	N/A	N/A	18.93	26.85	47.25	62.21	79.94	87.21	92.70	93.79	42	62.45	20.21
ACF3W	Accounting and Finance Stage 3 - Written	0.00	3.53	12.00	21.79	34.67	49.93	66.61	78.72	86.81	91.66	96.94	1177	63.22	18.74
HIA2W	Ancient History Stage 2 - Written	0.00	N/A	N/A	N/A	N/A	33.00	49.10	59.85	70.15	79.15	82.00	10	49.90	17.35
HIA3W	Ancient History Stage 3 - Written	0.00	N/A	17.31	27.66	39.59	50.78	60.51	72.69	80.60	83.02	89.00	208	60.98	14.32
APS3W	Animal Production Systems Stage 3 - Written	0.00	N/A	N/A	N/A	30.57	41.26	54.59	61.52	67.55	72.14	73.45	32	51.37	14.29
AIT2W	Applied Information Technology Stage 2 - Written	0.00	N/A	14.63	18.88	33.91	46.05	58.57	68.23	76.39	82.25	86.25	233	56.48	15.80
AIT3W	Applied Information Technology Stage 3 - Written	0.00	5.22	14.99	25.35	36.64	47.93	58.20	66.65	74.40	80.26	90.41	797	56.65	13.62
AVN3P	Aviation Stage 3 - Practical	0.00	N/A	N/A	23.02	28.63	34.24	38.42	43.01	46.22	47.01	48.00	52	38.40	6.20
AVN3W	Aviation Stage 3 - Written	0.00	N/A	N/A	20.12	25.22	36.02	46.14	52.31	59.11	62.45	62.62	53	44.07	11.35
BIO3W	Biological Sciences Stage 3 - Written	0.00	18.55	27.73	33.63	40.89	50.05	59.71	69.16	76.28	81.46	88.75	1657	58.93	12.77
BME2W	Business Management and Enterprise Stage 2 - Written	0.00	N/A	18.70	23.58	31.93	44.84	59.71	75.20	82.59	88.73	90.67	186	58.86	17.68
BME3W	Business Management and Enterprise Stage 3 - Written	0.00	1.78	7.04	14.63	28.37	41.70	55.71	67.62	77.62	84.55	91.33	510	53.83	17.88
CAE2W	Career and Enterprise Stage 2 - Written	0.00	N/A	12.83	26.52	37.20	53.87	65.51	75.03	81.65	87.62	92.40	159	62.92	15.99
CAE3W	Career and Enterprise Stage 3 - Written	0.00	N/A	20.42	27.05	34.90	43.27	53.19	64.11	70.44	74.95	88.65	171	52.98	12.90
CHE2W	Chemistry Stage 2 - Written	0.00	N/A	N/A	N/A	8.53	15.10	32.07	47.14	53.86	61.53	65.53	22	32.37	17.05
CHE3W	Chemistry Stage 3 - Written	0.00	12.11	17.29	25.83	36.16	48.06	62.45	75.23	84.17	90.27	98.50	4718	61.05	17.21
CFC2W	Children, Family and the Community Stage 2 - Written	0.00	N/A	23.10	31.12	45.52	59.27	71.79	81.76	87.51	93.41	97.00	215	69.20	15.83

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Course																
Percentile Rank		0%	0.2%	0.9%	2.9%	8.9%	24%	50.5%	77%	92.1%	98.1%	Top		Popln	Mean	Std.
Standardised Mark		0	10	20	30	40	50	60	70	80	90	100				Dev.
CFC3W	Children, Family and the Community Stage 3 - Written	0.00	N/A	N/A	18.05	35.54	42.23	51.38	57.45	61.43	64.35	64.82		54	49.83	10.41
CBS3W	Chinese: Background Speakers Stage 3 - Written	0.00	N/A	N/A	33.54	39.91	50.55	58.06	64.22	69.47	75.95	77.00		72	56.88	10.31
CSL3P	Chinese: Second Language Stage 3 - Practical	0.00	N/A	N/A	20.65	29.27	32.68	35.57	37.48	39.44	39.87	40.00		57	35.07	4.25
CSL3W	Chinese: Second Language Stage 3 - Written	0.00	N/A	N/A	18.85	33.39	46.56	54.95	60.08	63.49	64.44	64.60		57	51.92	11.73
CSC2W	Computer Science Stage 2 - Written	0.00	N/A	N/A	24.90	31.38	39.28	56.12	69.25	76.65	84.82	85.63		74	55.21	16.81
CSC3W	Computer Science Stage 3 - Written	0.00	N/A	2.35	9.18	25.17	37.86	54.18	69.31	79.23	87.97	93.86		340	52.87	19.79
DAN2P	Dance Stage 2 - Practical	0.00	N/A	N/A	16.66	19.37	25.09	30.56	34.66	38.46	45.16	45.45		72	29.78	6.92
DAN2W	Dance Stage 2 - Written	0.00	N/A	N/A	9.32	11.70	17.57	26.28	32.80	36.32	41.55	42.06		71	25.13	9.08
DAN3P	Dance Stage 3 - Practical	0.00	N/A	18.10	20.50	25.13	29.35	34.18	39.18	44.39	47.17	48.50		276	34.26	6.77
DAN3W	Dance Stage 3 - Written	0.00	N/A	17.45	27.10	38.59	49.49	62.74	73.09	80.61	87.97	94.00		283	61.02	15.52
DES2P	Design Stage 2 - Practical	0.00	N/A	5.18	8.54	12.70	16.88	20.59	24.99	27.96	31.26	33.50		144	20.80	5.63
DES2W	Design Stage 2 - Written	0.00	N/A	14.27	18.03	27.27	37.84	51.10	63.93	75.86	86.60	97.00		141	51.74	17.37
DES3P	Design Stage 3 - Practical	0.00	N/A	4.75	7.11	10.80	14.97	19.69	24.57	28.76	31.51	33.00		471	19.77	6.23
DES3W	Design Stage 3 - Written	0.00	N/A	8.47	13.15	18.06	23.25	28.77	34.19	40.21	42.93	47.88		471	28.62	7.70
DRA2P	Drama Stage 2 - Practical	0.00	N/A	N/A	28.07	40.88	55.18	64.94	76.22	83.35	90.97	95.50		53	64.17	15.10
DRA2W	Drama Stage 2 - Written	0.00	N/A	N/A	12.75	18.67	24.06	32.47	38.39	42.49	44.81	46.75		51	31.43	8.61
DRA3P	Drama Stage 3 - Practical	0.00	17.86	34.84	40.85	48.37	54.91	64.07	73.98	83.17	92.71	100.00		915	64.72	12.86
DRA3W	Drama Stage 3 - Written	0.00	1.86	5.81	13.35	19.47	24.27	28.73	33.28	37.43	40.82	46.50		917	28.48	6.77

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Standardised Mark		0%	0.2%	0.9%	2.9%	8.9%	24%	50.5%	77%	92.1%	98.1%	Top				Dev.
		0	10	20	30	40	50	60	70	80	90	100				
EES2W	Earth and Environmental Science Stage 2 - Written	0.00	N/A	N/A	N/A	20.60	40.87	48.01	53.45	59.52	68.29	71.56	17	46.83	12.57	
EES3W	Earth and Environmental Science Stage 3 - Written	0.00	N/A	17.75	19.65	29.97	41.67	55.30	66.17	75.53	82.56	91.54	247	53.93	16.35	
ECO2W	Economics Stage 2 - Written	0.00	N/A	N/A	22.10	26.41	39.15	56.10	70.17	81.25	83.78	84.50	38	55.95	17.82	
ECO3W	Economics Stage 3 - Written	0.00	7.68	11.30	17.20	27.78	39.60	53.52	67.55	77.83	85.58	96.00	1869	53.00	17.91	
EST2W	Engineering Studies Stage 2 - Written**	0.00	N/A	N/A	1.37	11.37	30.97	49.62	66.53	74.87	81.44	83.26	55	48.11	21.59	
EST3W	Engineering Studies Stage 3 - Written**	0.00	N/A	21.42	30.92	38.75	47.18	57.16	65.97	76.23	83.50	100.00	203	56.80	13.36	
ELD2P	English as an Additional Language or Dialect Stage 2 - Practical	0.00	N/A	4.30	7.62	10.23	12.74	15.89	18.17	20.47	22.17	23.70	275	15.45	3.69	
ELD2W	English as an Additional Language or Dialect Stage 2 - Written	0.00	N/A	9.71	16.99	21.58	30.75	40.13	47.98	55.32	60.77	65.50	275	39.26	11.79	
ELD3P	English as an Additional Language or Dialect Stage 3 - Practical	0.00	4.28	6.43	8.32	11.11	13.85	16.87	19.28	21.69	23.52	25.00	912	16.45	3.80	
ELD3W	English as an Additional Language or Dialect Stage 3 - Written	0.00	16.14	22.60	26.84	32.76	39.75	46.31	52.19	57.55	62.06	67.50	912	45.83	8.90	
ENG2W	English Stage 2 - Written	0.00	N/A	7.88	17.79	30.76	42.43	52.52	60.23	67.51	73.77	84.50	2171	50.64	13.73	
ENG3W	English Stage 3 - Written	0.00	8.27	21.81	31.14	37.83	44.32	51.39	59.01	66.73	74.46	88.50	9291	51.70	10.89	
FST2W	Food Science and Technology Stage 2 - Written**	0.00	N/A	3.74	14.18	36.73	45.47	51.53	57.66	61.97	65.38	70.57	244	49.89	11.63	
FST3W	Food Science and Technology Stage 3 - Written	0.00	N/A	N/A	24.33	32.22	40.93	50.52	60.96	68.56	72.60	77.58	96	50.08	13.20	
FRE3P	French Stage 3 - Practical	0.00	N/A	8.82	10.74	13.66	17.37	21.39	24.74	27.30	29.17	30.00	438	21.08	4.81	
FRE3W	French Stage 3 - Written	0.00	N/A	16.58	20.35	27.11	32.98	41.99	50.70	56.87	62.08	66.74	436	41.72	10.76	
GEO2W	Geography Stage 2 - Written	0.00	N/A	N/A	23.19	28.89	39.60	53.46	65.05	72.93	77.03	84.00	65	52.46	15.35	

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Percentile Rank		0%	0.2%	0.9%	2.9%	8.9%	24%	50.5%	77%	92.1%	98.1%	Top	Popln	Mean	Std.
Standardised Mark		0	10	20	30	40	50	60	70	80	90	100			Dev.
GEO3W	Geography Stage 3 - Written	0.00	9.19	20.22	27.12	35.63	44.87	53.59	62.67	70.76	78.96	90.00	1877	53.43	12.82
GER3P	German Stage 3 - Practical	0.00	N/A	N/A	10.28	12.62	16.27	18.49	19.98	23.29	24.65	25.00	62	18.28	3.62
GER3W	German Stage 3 - Written	0.00	N/A	N/A	24.82	29.50	35.07	43.20	49.44	54.19	56.25	58.75	62	42.60	8.78
HEA2W	Health Studies Stage 2 - Written	0.00	N/A	N/A	16.43	27.44	41.72	54.57	64.56	74.08	81.94	84.00	56	53.57	16.52
HEA3W	Health Studies Stage 3 - Written	0.00	N/A	9.16	22.87	39.65	50.15	61.66	72.10	79.13	85.34	88.00	227	60.13	15.47
HBS2W	Human Biological Science Stage 2 - Written	0.00	N/A	17.77	23.13	32.65	42.52	56.65	67.96	78.30	83.19	86.25	164	55.07	16.14
HBS3W	Human Biological Science Stage 3 - Written	0.00	13.30	18.90	25.97	35.16	47.01	60.90	72.85	81.62	87.30	95.25	3958	59.34	16.52
IND3P	Indonesian: Second Language Stage 3 - Practical	0.00	N/A	N/A	N/A	16.68	20.33	26.59	32.79	35.73	37.85	40.00	68	26.90	6.79
IND3W	Indonesian: Second Language Stage 3 - Written	0.00	N/A	N/A	18.27	23.46	27.37	35.82	43.94	48.17	50.75	51.43	67	35.52	9.44
ISC2W	Integrated Science Stage 2 - Written	0.00	N/A	N/A	12.19	24.94	39.05	51.80	60.70	67.13	70.70	74.50	40	49.99	14.70
ISC3W	Integrated Science Stage 3 - Written	0.00	N/A	N/A	26.42	33.42	45.43	53.25	63.44	72.07	75.51	86.05	91	53.85	13.40
ITA3P	Italian Stage 3 - Practical	0.00	N/A	6.22	8.82	12.13	15.16	19.70	24.71	27.92	29.54	30.00	243	19.81	5.62
ITA3W	Italian Stage 3 - Written	0.00	N/A	23.45	28.12	31.02	38.30	45.85	53.43	58.78	62.20	67.78	243	45.33	9.47
JSL2P	Japanese: Second Language Stage 2 - Practical	0.00	N/A	N/A	N/A	1.96	5.64	7.62	10.94	13.42	13.86	14.00	22	8.41	3.59
JSL2W	Japanese: Second Language Stage 2 - Written	0.00	N/A	N/A	N/A	19.80	30.35	35.75	49.39	51.71	55.77	56.85	24	38.20	12.12
JSL3P	Japanese: Second Language Stage 3 - Practical	0.00	N/A	1.74	4.32	5.93	9.30	12.48	16.10	18.46	19.64	20.00	305	12.84	4.34
JSL3W	Japanese: Second Language Stage 3 - Written	0.00	N/A	8.65	16.12	22.99	34.80	46.29	55.96	65.13	69.97	72.67	307	44.77	14.58
LIT3W	Literature Stage 3 - Written	0.00	30.79	39.52	46.51	52.22	58.98	66.03	73.13	79.98	86.24	93.50	1795	66.04	10.22
MMS2W	Marine and Maritime Studies Stage 2 - Written	0.00	N/A	N/A	N/A	54.38	59.07	61.80	69.25	70.17	75.93	77.75	12	64.09	6.38

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Standardised Mark		0	10	20	30	40	50	60	70	80	90	100				Dev.
MMS3W	Marine and Maritime Studies Stage 3 - Written	0.00	N/A	N/A	N/A	50.20	58.12	66.96	77.70	82.75	84.42	84.67		16	68.27	10.94
MDT2P	Materials Design and Technology Stage 2 - Practical	0.00	N/A	N/A	2.35	6.19	8.70	13.67	18.26	21.18	22.75	24.00		105	13.83	5.50
MDT2W	Materials Design and Technology Stage 2 - Written**	0.00	N/A	N/A	23.70	24.33	27.21	30.40	33.97	38.18	40.43	43.50		99	30.78	4.65
MDT3P	Materials Design and Technology Stage 3 - Practical	0.00	N/A	5.54	9.75	12.85	17.64	22.90	26.89	29.76	30.77	32.00		224	22.53	5.92
MDT3W	Materials Design and Technology Stage 3 - Written**	0.00	N/A	10.30	13.02	18.21	22.82	27.59	32.45	36.03	39.54	44.97		221	27.26	6.68
MAT2AB W	Mathematics Stage 2AB - Written	0.00	N/A	11.39	22.93	38.56	58.37	75.19	91.05	107.37	121.42	133.50		377	73.99	24.55
MAT2CD W	Mathematics Stage 2CD - Written	0.00	6.04	16.24	27.33	42.93	59.37	77.92	95.35	110.66	122.34	136.50		4047	76.77	24.19
MAT3AB W	Mathematics Stage 3AB - Written	0.00	14.14	25.53	38.93	51.25	65.68	82.35	99.16	114.63	127.95	145.50		4588	82.15	22.77
MAT3CD W	Mathematics Stage 3CD - Written	0.00	8.54	26.28	42.04	59.46	80.49	101.41	118.67	132.44	140.51	148.00		3732	98.19	26.16
MAS3AB W	Mathematics: Specialist Stage 3AB - Written	0.00	N/A	N/A	9.53	47.23	68.78	80.77	98.36	116.16	119.95	122.00		36	80.96	24.77
MAS3CD W	Mathematics: Specialist Stage 3CD - Written	0.00	N/A	12.67	29.10	43.82	60.85	78.48	97.79	111.41	127.70	146.00		1484	78.20	24.95
MPA2P	Media Production and Analysis Stage 2 - Practical	0.00	N/A	N/A	11.00	14.71	18.14	22.71	27.38	31.27	32.92	34.00		69	22.80	6.02
MPA2W	Media Production and Analysis Stage 2 - Written	0.00	N/A	N/A	7.68	15.20	28.58	33.91	39.80	43.99	45.78	46.61		62	32.95	9.47
MPA3P	Media Production and Analysis Stage 3 - Practical	0.00	5.88	10.29	12.92	17.26	20.63	23.99	28.67	31.80	35.68	39.00		973	24.48	5.50
MPA3W	Media Production and Analysis Stage 3 - Written	0.00	1.12	6.94	11.47	17.74	23.52	28.30	33.17	37.64	41.68	45.50		952	27.98	7.29

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		0	10	20	30	40	50	60	70	80	90	100				
HIM2W	Modern History Stage 2 - Written	0.00	N/A	N/A	N/A	23.65	41.74	51.59	63.24	71.05	71.77	72.00	12	52.54	14.41	
HIM3W	Modern History Stage 3 - Written	0.00	4.66	17.27	28.55	37.75	47.65	56.94	67.51	75.72	83.73	92.50	2646	56.85	14.06	
MUS2P	Music Stage 2 - Practical	0.00	N/A	N/A	N/A	15.13	17.92	26.93	30.44	35.11	40.59	43.44	27	26.05	7.68	
MUS2W	Music Stage 2 - Written	0.00	N/A	N/A	N/A	4.14	9.85	17.16	21.33	30.51	33.00	35.01	27	17.29	8.21	
MUS3P	Music Stage 3 - Practical	0.00	N/A	9.69	14.47	18.78	24.02	29.55	35.46	41.14	46.03	50.00	433	29.65	7.90	
MUS3W	Music Stage 3 - Written	0.00	N/A	5.49	7.54	11.26	16.25	22.31	31.27	35.59	40.62	46.99	441	23.26	8.87	
OED2W	Outdoor Education Stage 2 - Written	0.00	N/A	N/A	9.56	19.65	37.32	55.43	63.10	72.74	79.90	82.57	101	50.17	18.23	
OED3W	Outdoor Education Stage 3 - Written	0.00	N/A	20.41	27.82	37.85	44.93	53.54	60.77	67.04	69.57	79.91	260	52.35	10.85	
PAE3W	Philosophy and Ethics Stage 3 - Written	0.00	N/A	19.38	30.54	37.09	50.21	60.55	72.56	78.43	84.16	88.50	141	59.77	14.56	
PES2W	Physical Education Studies Stage 2 - Written	0.00	N/A	8.16	11.78	18.21	27.04	35.91	43.81	50.23	56.06	61.95	270	35.12	11.23	
PES3W	Physical Education Studies Stage 3 - Written	0.00	6.96	13.04	19.37	25.73	32.69	39.98	46.45	51.19	55.34	63.35	1978	39.14	9.34	
PHY2W	Physics Stage 2 - Written	0.00	N/A	N/A	N/A	32.20	55.27	67.94	80.72	87.29	92.01	95.88	33	66.69	16.85	
PHY3W	Physics Stage 3 - Written	0.00	2.02	9.80	18.21	26.57	37.55	49.59	62.79	73.52	83.16	93.89	3477	49.78	16.82	
PPS3W	Plant Production Systems Stage 3 - Written	0.00	N/A	N/A	N/A	24.05	40.55	54.99	58.89	67.45	72.33	73.78	24	50.51	13.76	
PAL2W	Politics and Law Stage 2 - Written	0.00	N/A	N/A	N/A	19.70	27.98	48.54	57.29	60.62	64.41	68.00	27	44.56	16.07	
PAL3W	Politics and Law Stage 3 - Written	0.00	N/A	5.52	12.22	24.71	35.72	50.41	63.61	72.86	81.51	98.00	893	49.55	17.72	
PSY2W	Psychology Stage 2 - Written	0.00	N/A	N/A	33.34	41.90	53.28	65.69	75.86	82.23	85.53	89.13	92	64.14	14.10	
PSY3W	Psychology Stage 3 - Written	0.00	9.48	15.19	20.58	29.00	39.57	53.77	65.64	75.04	83.27	93.32	849	52.60	16.34	
REL2W	Religion and Life Stage 2 - Written	0.00	N/A	2.62	13.59	33.12	53.50	65.44	75.77	82.65	86.30	87.98	178	61.93	18.29	

* The raw marks which are standardised to 10, 20, 30, 40, 50, 60, 70, 80, 90 are those of students whose mark is equal to 0.2, 0.9, 2.9, 8.9, 24, 50.5, 77, 92.1 and 98.1 per cent respectively of other students sitting the examinations. A raw mark of 0 becomes a standardised mark of 0, and the highest raw mark is standardised to 100. Having determined these standardisation points other raw examination marks may be transformed to standardised marks by linear interpolation.

** Entries for these examinations are not raw marks but adjusted raw marks. The adjustment is necessary to take account of the different contexts within those examinations.

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Table 4.14 Relationship between raw examination marks and standardised examination marks* for WACE course examinations, 2012

Note: The raw examination marks of small candidature examinations and interstate language examinations (except for Chinese: Second Language Stage 3) were not standardised and, as such, are not listed.

Course																
Percentile Rank		0%	0.2%	0.9%	2.9%	8.9%	24%	50.5%	77%	92.1%	98.1%	Top		Popln	Mean	Std.
Standardised Mark		0	10	20	30	40	50	60	70	80	90	100				Dev.
REL3W	Religion and Life Stage 3 - Written	0.00	20.43	31.66	39.21	47.05	54.60	61.60	69.14	76.93	83.03	93.32		1592	61.38	10.85
VAR2P	Visual Arts Stage 2 - Practical	0.00	N/A	N/A	13.23	16.93	20.73	24.44	29.38	31.46	34.07	35.50		77	24.72	5.44
VAR2W	Visual Arts Stage 2 - Written	0.00	N/A	N/A	7.86	14.96	20.68	27.18	33.72	40.47	43.91	44.25		72	27.36	8.96
VAR3P	Visual Arts Stage 3 - Practical	0.00	5.82	10.45	11.83	13.94	17.00	20.55	24.73	27.44	29.92	34.00		1107	20.97	4.73
VAR3W	Visual Arts Stage 3 - Written	0.00	1.75	6.81	12.86	18.98	23.97	28.62	33.08	37.78	41.71	48.50		1084	28.34	7.01

* The raw marks which are standardised to 10, 20, 30, 40, 50, 60, 70, 80, 90 are those of students whose mark is equal to 0.2, 0.9, 2.9, 8.9, 24, 50.5, 77, 92.1 and 98.1 per cent respectively of other students sitting the examinations. A raw mark of 0 becomes a standardised mark of 0, and the highest raw mark is standardised to 100. Having determined these standardisation points other raw examination marks may be transformed to standardised marks by linear interpolation.

** Entries for these examinations are not raw marks but adjusted raw marks. The adjustment is necessary to take account of the different contexts within those examinations.