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H 1: Analysis of Scaled Scores and Aggregates

The Board of Studies provides VTAC with study scores (relative positions). These study scores are scaled in order to calculate scaled aggregates and Tertiary Entrance Ranks (TERs). Candidates are in the 1996 scaling population if they have obtained a Board of Studies' study score in English/English (ESL) plus at least three other Board of Studies' study scores in 1995 and 1996, provided that at most one result is from 1995. The scaling population is therefore a subset of the entire population. The means and standard deviations below pertain to the scaling population in 1996.

The following table gives the 1996 scaled means and standard deviations as well as the scaled scores (rounded to the nearest integer) corresponding to the Board of Studies study scores of 20, 25, 30, 35, 40, 45 and 50. The formal aggregation process uses scaled scores to two decimal places, but the following information gives a good indication of how scaling adjusts scores in the various studies.

1996 Study	Mean	St.Dev.	20	25	30	35	40	45	50	
Accounting	29.6	6.8	19	24	29	34	39	45	50	
Agricultural & Horticultural Studies	23.4	6.7	14	18	22	27	33	40	50	
Art	27.2	7.2	16	21	26	32	38	44	50	
Australian Studies	25.9	8.0	13	18	24	30	36	43	50	
Biology	30.2	6.7	20	25	30	35	40	45	50	
Business Management	25.2	6.8	15	20	24	29	35	42	50	
Classical Societies & Cultures	33.8	6.5	24	29	34	39	43	47	50	
Chemistry	34.2	7.0	23	29	35	39	44	47	50	
Contemporary Society	26.3	7.3	16	20	25	31	36	43	50	
Dance	28.1	6.8	17	22	27	32	38	44	50	
Dance Styles	30.0	6.0	22	26	30	34	38	43	50	
Drama	27.4	7.1	16	21	26	32	38	44	50	
Economics	30.4	7.0	20	25	30	35	41	45	50	
English - Second Language (ESL)	30.1	8.1	17	23	30	36	42	47	50	
English	28.5	7.3	17	22	28	34	39	45	50	
Environmental Studies	26.1	6.8	16	21	25	30	36	42	50	
Geography	28.4	7.3	17	23	28	34	39	45	50	
Graphic Communication	25.9	6.9	16	20	25	30	36	42	50	
Health Education	25.1	7.0	15	20	24	30	36	42	50	
Histories:										
Australian History	30.5	7.9	18	25	31	37	42	47	50	
The City in History	34.0	6.8	19	25	32	37	43	47	50	
Koori History	27.4	7.0	13	21	29	38	44	49	50	
Nationalism & Modern State	33.1	6.9	21	26	31	36	41	46	50	
Revolutions	31.9	7.4	21	26	31	37	42	46	50	
History of Western Ideas	29.6	7.7	17	25	33	40	45	49	50	
Human Development	26.4	6.9	16	21	26	31	37	43	50	
Info Tech : Information Systems	28.9	6.8	18	23	28	33	39	44	50	
Info Tech : Info Processing and Management	26.7	6.9	16	21	26	31	37	43	50	
Info Tech : Information Technology in Society	27.1	6.9	16	21	26	31	37	43	50	
International Studies	31.0	7.3	20	25	31	36	41	46	50	
Legal Studies	28.6	7.2	18	23	28	34	39	45	50	
Literature	31.9	7.0	21	26	32	37	42	46	50	
LOTE:										
SLO	Ancient Greek	39.0	see note 1 below							
	Arabic	29.6	7.2	18	23	29	35	41	46	50
	Auslan	35.4	5.9	26	31	36	40	44	47	50
SLO	Australian Indigenous	-	see note 1 below							
SLO	Bengali	-	see note 1 below							
	Chinese	37.7	7.1	27	33	38	43	47	50	52
	Chinese - Second Language (CSL)	40.4	7.1	30	36	41	46	50	53	55
	Croatian	32.4	7.3	21	27	33	38	43	47	50
SLO	Czech	49.0	see note 1 below							
SLO	Dutch	35.0	see note 1 below							
	Estonian	-	-							
	Farsi	31.9	7.7	20	25	29	33	39	43	50

1996 Study		Mean	St.Dev.	20	25	30	35	40	45	50
	French	40.8	6.7	30	36	42	46	49	52	54
	German	39.7	6.5	29	35	41	45	48	51	53
	Hebrew	43.7	5.6	36	41	45	48	51	53	55
SLO	Hindi	29.8					see note 1 below			
	Hungarian	35.9	5.8	27	31	35	38	42	45	50
	Indonesian	37.9	6.5	28	34	39	43	47	49	51
	Italian	35.0	6.8	24	30	36	40	44	48	50
	Japanese	39.8	6.3	30	36	41	45	48	51	52
SLO	Khmer	38.6					see note 1 below			
	Korean	38.3	6.2	11	18	28	37	45	49	51
	Latin	45.0	6.3	34	41	46	50	52	54	55
SLO	Latvian	43.5					see note 1 below			
SLO	Lithuanian	37.5					see note 1 below			
	Macedonian	28.9	7.0	19	23	28	33	39	44	50
SLO	Maltese	34.3					see note 1 below			
	Modern Greek	32.1	7.0	22	27	32	37	42	46	50
	Polish	34.9	8.0	23	30	36	41	45	49	51
	Portuguese	31.9	6.8	21	26	31	36	41	46	50
	Russian	38.6	7.2	28	35	40	44	48	51	53
	Serbia	33.2	7.4	23	28	32	37	41	45	50
SLO	Sinhala	40.0					see note 1 below			
SLO	Slovenian	33.0					see note 1 below			
	Spanish	31.8	6.3	22	27	32	37	41	46	50
SLO	Swedish	40.5					see note 1 below			
	Turkish	29.0	7.1	18	23	28	33	39	44	50
SLO	Ukrainian	38.9					see note 1 below			
	Vietnamese	31.3	6.8	21	26	31	36	41	45	50
	Materials and Technology	22.6	6.7	13	17	21	26	32	39	50
	Mathematics:									
	Further Mathematics	26.5	6.7	17	21	26	31	36	42	50
	Mathematical Methods	36.3	6.9	25	32	37	42	45	48	50
	Specialist Mathematics	41.2	7.1	30	36	42	47	50	53	55
	Media	26.2	7.1	15	20	25	31	37	43	50
	Music : History & Styles	33.0	6.5	22	28	33	38	42	47	50
	Music Craft: Group Performance	26.2	6.8	16	21	26	31	37	43	50
	Music Craft: Solo Performance	32.8	6.5	23	28	33	38	42	46	50
	Outdoor Education	24.3	6.7	14	19	23	28	34	41	50
	Physical Education	27.7	6.8	18	22	27	32	38	44	50
	Physics	33.1	7.4	21	27	33	39	43	47	50
	Political Studies	32.9	7.1	22	28	33	38	43	47	50
	Psychology	28.0	7.0	17	22	27	33	38	44	50
	Religion and Society	29.7	7.1	19	24	30	35	40	45	50
	Science	23.2	8.1	11	16	22	29	36	44	50
	Studio Arts	26.0	7.0	16	20	25	30	36	43	50
	Systems and Technology	22.4	6.3	13	17	21	26	31	39	50
	Technological Design & Development	23.1	6.7	14	17	22	27	33	40	50
	Texts and Traditions	33.0	7.1	22	27	33	38	43	47	50
	Theatre Studies	28.3	7.1	18	23	28	33	38	44	50

NOTES:

- Fourteen LOTEs were not scaled by the automatic procedure, since their eligible scaling population was less than or equal to eleven. These studies are annotated as SLO. The standard deviation is not given in these cases, since it is not particularly informative. The scaled mean for the small LOTEs has been increased by five.

As a guide only: for small LOTEs (SLO), estimate the scaled study score by adding 5 to the study score.

Cont.

2. After extensive trialing the VTAC TER and Scaling Committee modified the definition of the scaling population to take into account the many students who now complete a single Unit 3/4 study while in Year 11. Since the scaling process was designed to consider overall performance this was agreed as being fair and appropriate.
3. Following the unprecedented decline in the common group of students doing Further Mathematics and Mathematical Methods, the VTAC TER and Scaling Committee agreed to limit the magnitude of the adjustment to the Mathematical Methods scaled mean to that of 1995.

H 2: 1996 Scaled Aggregate Table

Based on the 1996 scaling and aggregation process, the following table gives an indication of the minimum scaled aggregate required to achieve at least a particular TER. The table can be used to roughly check a TER calculation.

TER	Minimum Aggregate for TER
10.00	82.9
15.00	89.7
20.00	95.3
25.00	100.4
30.00	105.1
35.00	109.6
40.00	113.8
45.00	118.3
50.00	122.5
55.00	126.9
60.00	131.4
63.00	134.2
66.00	137.1
69.00	140.1
72.00	143.0
75.00	146.3
78.00	149.9
81.00	153.4
84.00	157.6
87.00	162.1
90.00	167.5
91.00	169.5
92.00	171.6
93.00	173.8
94.00	176.1
95.00	178.7
96.00	181.7
97.00	185.5
98.00	189.8
98.50	192.7
99.00	196.1
99.25	198.5
99.50	201.0
99.75	205.6

Information on the Scaling Process And Analysis of Scaled Scores above 50

In the 1996 scaling and TER calculation process:

- ◆ 41954 students achieved TERs with 1996 results;
- ◆ 607 scaled scores above 50 were achieved;
- ◆ 582 students (1.39% of those obtaining a TER) achieved at least one scaled score above 50;
- ◆ 25 students (4.30% of those obtaining at least one scaled score above 50; 0.06% of those obtaining a TER) achieved more than one scaled score above 50;
- ◆ in 472 cases (81.10% of those obtaining at least one scaled score above 50; 1.13% of those obtaining a TER) the only scaled score above 50 was in Specialist Mathematics;
- ◆ in 496 cases (85.22% of those obtaining at least one scaled score above 50; 1.18% of those obtaining a TER) the scaled scores above 50 included an above 50 in Specialist Mathematics.

In detail, the 582 students who achieved scaled scores above 50 did so in the following combinations:

- ◆ 472 in Specialist Mathematics only
- ◆ 45 in French only
- ◆ 10 in German only
- ◆ 8 in Chinese - Second Language only
- ◆ 7 in Latin only
- ◆ 6 in Japanese only
- ◆ 4 in Hebrew only
- ◆ 3 in Indonesian only
- ◆ 2 in Russian only

- ◆ 7 in French and Specialist Mathematics
- ◆ 6 in Latin and Specialist Mathematics
- ◆ 3 in German and Specialist Mathematics
- ◆ 3 in Hebrew and Specialist Mathematics
- ◆ 2 in Japanese and Specialist Mathematics
- ◆ 1 in Chinese - Second Language and Specialist Mathematics
- ◆ 1 in Chinese and Specialist Mathematics
- ◆ 1 in Khmer and Specialist Mathematics
- ◆ 1 in French and Latin

H 3: Individual Study Contribution to Highest Scaled Score and/or the Primary Four

The following table gives the number of 1996 students completing each study, together with the number and percentage of times the score in the study was 'best' and/or used in the 'primary 4' when calculating the TER aggregate.

1996 STUDY		Total Number of Students	Number of Times the scaled score was highest	Percentage where the scaled score was highest	Number of Times the scaled score was in the Primary 4	Percentage where the scaled score was in the Primary 4
AC	Accounting	6061	743	12.26	4138	68.27
AG	Ancient Greek	2	1	50.00	2	100.00
AH	Agricultural & Horticultural Studies	522	101	19.35	407	77.97
AI	Australian Indigenous	0				
AR	Arabic	84	35	41.67	70	83.33
AS	Australian Studies	309	94	30.42	271	87.70
AT	Art	3002	603	20.09	2008	66.89
AU	Auslan	18	8	44.44	14	77.78
BE	Bengali	0				
BI	Biology	9737	1287	13.22	6755	69.37
BM	Business Management	6702	1277	19.05	5271	78.65
CC	Classical Societies & Culture	151	17	11.26	115	76.16
CH	Chemistry	8178	382	4.67	4213	51.52
CL	Chinese -Second Language	199	72	36.18	144	72.36
CN	Chinese	250	110	44.00	197	78.80
CR	Croatian	99	49	49.49	76	76.77
CS	Contemporary Society	294	67	22.79	251	85.37
CZ	Czech	1	1	100.00	1	100.00
DA	Dance	99	33	33.33	78	78.79
DR	Drama	899	234	26.03	680	75.64
DS	Dance Styles	55	19	34.55	35	63.64
DU	Dutch	1	1	100.00	1	100.00
EC	Economics	3744	527	14.08	2568	68.59
EF	English (ESL)	2204	259	11.75	2204	100.00
EN	English	38909	6780	17.43	38909	100.00
ES	Environmental Studies	638	124	19.44	501	78.53
ET	Estonian	0				
FA	Farsi	17	10	58.82	14	82.35
FR	French	887	436	49.15	791	89.18
GC	Graphic Communication	4495	4495	100.00	3346	74.44
GE	Geography	2425	550	22.68	1864	76.87
GN	German	575	274	47.65	503	87.48
HA	Australian History	1501	272	18.12	1193	79.48
HB	Hebrew	75	36	48.00	61	81.33
HC	The City in History	481	69	14.35	348	72.35
HD	Human Development	5515	1058	19.18	4349	78.86
HE	Health Education	1631	344	21.09	1305	80.01
HI	Hindi	5	4	80.00	4	80.00
HK	Koori History	24	7	29.17	19	79.17
HN	Nationalism & Modern State	63	11	17.46	48	76.19
HR	Revolutions	1545	279	18.06	1173	75.92
HU	Hungarian	10	6	60.00	8	80.00
HW	History of Western Ideas	73	25	34.25	62	84.93
IL	Italian	683	389	56.95	584	85.51
IM	Information Systems	1278	220	17.21	866	67.76
IN	Indonesian	475	197	41.47	368	77.47
IP	Info Processing & Management	9421	1818	19.30	7083	75.18

1996 STUDY		Total Number of Students	Number of Times the scaled score was highest	Percentage where the scaled score was highest	Number of Times the scaled score was in the Primary 4	Percentage where the scaled score was in the Primary 4
IS	International Studies	817	145	17.75	615	75.28
IY	Info Tech in Society	167	33	19.76	127	76.05
JA	Japanese	556	241	43.35	470	84.53
KH	Khmer	5	3	60.00	5	100.00
KO	Korean	16	6	37.50	11	68.75
LA	Latin	56	25	44.64	47	83.93
LI	Literature	3602	532	14.77	2805	77.87
LN	Latvian	2	2	100.00	2	100.00
LS	Legal Studies	7661	1275	16.64	5685	74.21
LT	Lithuanian	2	2	100.00	2	100.00
MA	Macedonian	129	77	59.69	116	89.92
MD	Music: History & Styles	148	17	11.49	108	72.97
ME	Media	2307	448	19.42	1848	80.10
MG	Modern Greek	604	346	57.28	519	85.93
ML	Maltese	6	5	83.33	5	83.33
MM	Music Performance: Group	283	79	27.92	216	76.33
MS	Music Performance: Solo	690	165	23.91	460	66.67
MT	Materials & Technology	3327	742	22.30	2622	78.81
NF	Mathematics: Further	12622	2720	21.55	9126	72.30
NK	Mathematical Methods	15755	5224	33.16	13722	87.10
NS	Mathematics: Specialist	5638	2629	46.63	5254	93.19
OE	Outdoor Education	1182	261	22.08	924	78.17
PE	Physical Education	4888	895	18.31	3659	74.86
PG	Portuguese	14	6	42.86	8	57.14
PH	Physics	6981	262	3.75	3645	52.21
PO	Polish	44	24	54.55	36	81.82
PS	Political Studies	932	147	15.77	698	74.89
PY	Psychology	9427	1466	15.55	7398	78.48
RS	Religion & Society	472	120	25.42	353	74.79
RU	Russian	12	9	75.00	12	100.00
SA	Studio Arts	3376	733	21.71	2347	69.52
SC	Science	193	27	13.99	139	72.02
SE	Serbian	34	18	52.94	27	79.41
SI	Sinhala	4	3	75.00	4	100.00
SL	Slovenian	1	0	0.00	1	100.00
SP	Spanish	141	70	49.65	118	83.69
ST	Systems & Technology	1163	268	23.04	910	78.25
SW	Swedish	2	2	100.00	2	100.00
TD	Tech Design & Development	3282	716	21.82	2615	79.68
TS	Theatre Studies	516	118	22.87	371	71.90
TT	Texts & Traditions	333	57	17.12	221	66.37
TU	Turkish	162	100	61.73	137	84.57
UK	Ukrainian	7	3	42.86	6	85.71
VT	Vietnamese	303	141	46.53	228	75.25

H 4: Individual Study Contribution to Highest Scaled Score and/or the Primary Four For the top 10% of Students in Each Study

The following table gives the number of students in the top 10% for each study, together with the number and percentage of times the score in the study was 'best' and/or used in the 'primary four' when calculating the TER aggregate.

Study Code	1996 STUDY	Number of students in the Top 5%	Number of times the scaled score was highest	Percentage where the scaled score was highest	Number of times the scaled score was in the Primary 4	Percentage where the scaled score was in the Primary 4
AC	Accounting	654	182	27.83	515	78.75
AG	Ancient Greek	-				
AH	Agricultural & Horticultural Studies	55	34	61.82	50	90.91
AI	Australian Indigenous	-				
AR	Arabic	8	6	75.00	8	100.00
AS	Australian Studies	37	26	70.27	37	100.00
AT	Art	363	151	41.60	286	78.79
AU	Auslan	2	2	100.00	2	100.00
BE	Bengali	-				
BI	Biology	755	243	32.19	628	83.18
BM	Business Management	719	373	51.88	670	93.18
CC	Classical Societies & Culture	19	4	21.05	16	84.21
CH	Chemistry	945	71	7.51	614	64.97
CL	Chinese -Second Language	22	13	59.09	19	86.36
CN	Chinese	27	21	77.78	27	100.00
CR	Croatian	10	6	60.00	8	80.00
CS	Contemporary Society	34	20	58.82	32	94.12
CZ	Czech	-				
DA	Dance	12	8	66.67	11	91.67
DR	Drama	91	58	63.74	83	91.21
DS	Dance Styles	6	5	83.33	5	83.33
DU	Dutch	-				
EC	Economics	415	120	28.92	365	87.95
EF	English (ESL)	256	67	26.17	257	100.39
EN	English	4571	1447	31.66	4554	99.63
ES	Environmental Studies	62	35	56.45	58	93.55
ET	Estonian	-				
FA	Farsi	2	0	0.00	1	50.00
FR	French	89	72	80.90	89	100.00
GC	Graphic Communication	529	250	47.26	463	87.52
GE	Geography	269	148	55.02	254	94.42
GN	German	60	46	76.67	58	96.67
HA	Australian History	151	53	35.10	135	89.40
HB	Hebrew	8	5	62.50	8	100.00
HC	The City in History	55	18	32.73	49	89.09
HD	Human Development	595	339	56.97	567	95.29
HE	Health Education	169	92	54.44	158	93.49
HI	Hindi	-				
HK	Koori History	2	1	50.00	2	100.00
HN	Nationalism & Modern State	7	1	14.29	7	100.00
HR	Revolutions	121	48	39.67	112	92.56
HU	Hungarian	1	1	100.00	1	100.00
HW	History of Western Ideas	8	6	75.00	7	87.50
IL	Italian	83	57	68.67	79	95.18
IM	Information Systems	130	39	30.00	98	75.38
IN	Indonesian	57	46	80.70	54	94.74
IP	Info Processing & Management	1170	496	42.39	1034	88.38

Study Code	1996 STUDY	Number of students in the Top 5%	Number of times the scaled score was highest	Percentage where the scaled score was highest	Number of times the scaled score was in the Primary 4	Percentage where the scaled score was in the Primary 4
IS	International Studies	96	36	37.50	86	89.58
IY	Info Tech in Society	18	9	50.00	18	100.00
JA	Japanese	67	43	64.18	64	95.52
KH	Khmer	-				
KO	Korean	2	2	100.00	2	100.00
LA	Latin	8	7	87.50	8	100.00
LI	Literature	448	148	33.04	413	92.19
LN	Latvian	-				
LS	Legal Studies	850	334	39.29	759	89.29
LT	Lithuanian	-				
MA	Macedonian	3	3	100.00	3	100.00
MD	Music: History & Styles	19	4	21.05	17	89.47
ME	Media	262	127	48.47	238	90.84
MG	Modern Greek	73	58	79.45	68	93.15
ML	Maltese	-				
MM	Music Performance: Group	29	14	48.28	25	86.21
MS	Music Performance: Solo	69	35	50.72	57	82.61
MT	Materials & Technology	387	234	60.47	368	95.09
NF	Mathematics: Further	1393	800	57.43	1307	93.83
NK	Mathematical Methods	1605	342	21.31	1514	94.33
NS	Mathematics: Specialist	637	603	94.66	635	99.69
OE	Outdoor Education	120	81	67.50	115	95.83
PE	Physical Education	496	213	42.94	448	90.32
PG	Portuguese	1	1	100.00	1	100.00
PH	Physics	819	31	3.79	479	58.49
PO	Polish	6	6	100.00	6	100.00
PS	Political Studies	108	39	36.11	100	92.59
PY	Psychology	1023	424	41.45	936	91.50
RS	Religion & Society	48	26	54.17	44	91.67
RU	Russian	1	1	100.00	1	100.00
SA	Studio Arts	397	223	56.17	352	88.66
SC	Science	20	6	30.00	17	85.00
SE	Serbian	3	3	100.00	3	100.00
SI	Sinhala	-				
SL	Slovenian	-				
SP	Spanish	16	13	81.25	16	100.00
ST	Systems & Technology	135	60	44.44	104	77.04
SW	Swedish	-				
TD	Tech Design & Development	369	219	59.35	346	93.77
TS	Theatre Studies	55	29	52.73	49	89.09
TT	Texts & Traditions	33	8	24.24	29	87.88
TU	Turkish	17	11	64.71	14	82.35
UK	Ukrainian	-				
VT	Vietnamese	32	25	78.13	31	96.88

H 5: Individual Study Contribution to Highest Scaled Score and/or the Primary Four For the top 5% of Students in Each Study

The following table gives the number of students in the top 5% for each study, together with the number and percentage of times the score in the study was 'best' and/or used in the 'primary four' when calculating the TER aggregate.

Study Code	1996 STUDY	Number of students in the Top 5%	Number of times the scaled score was highest	Percentage where the scaled score was highest	Number of times the scaled score was in the Primary 4	Percentage where the scaled score was in the Primary 4
AC	Accounting	383	124	32.38	316	82.51
AG	Ancient Greek	-				
AH	Agricultural & Horticultural Studies	24	18	75.00	23	95.83
AI	Australian Indigenous	-				
AR	Arabic	5	3	60.00	5	100.00
AS	Australian Studies	17	10	58.82	17	100.00
AT	Art	166	81	48.80	137	82.53
AU	Auslan	1	1	100.00	1	100.00
BE	Bengali	-				
BI	Biology	426	460	107.98	373	87.56
BM	Business Management	432	267	61.81	413	95.60
CC	Classical Societies & Culture	7	0	0.00	5	71.43
CH	Chemistry	424	38	8.96	306	72.17
CL	Chinese -Second Language	12	8	66.67	11	91.67
CN	Chinese	12	8	66.67	12	100.00
CR	Croatian	5	3	60.00	5	100.00
CS	Contemporary Society	16	13	81.25	16	100.00
CZ	Czech	-				
DA	Dance	5	5	100.00	5	100.00
DR	Drama	52	38	73.08	49	94.23
DS	Dance Styles	3	3	100.00	3	100.00
DU	Dutch	-				
EC	Economics	188	75	39.89	170	90.43
EF	English (ESL)	117	34	29.06	117	100.00
EN	English	2068	815	39.41	2059	99.56
ES	Environmental Studies	37	24	64.86	36	97.30
ET	Estonian	-				
FA	Farsi	1	0	0.00	0	0.00
FR	French	53	46	86.79	53	100.00
GC	Graphic Communication	241	142	58.92	223	92.53
GE	Geography	151	95	62.91	144	95.36
GN	German	33	25	75.76	31	93.94
HA	Australian History	87	32	36.78	81	93.10
HB	Hebrew	4	4	100.00	4	100.00
HC	The City in History	27	12	44.44	26	96.30
HD	Human Development	283	200	70.67	279	98.59
HE	Health Education	98	60	61.22	94	95.92
HI	Hindi	-				
HK	Koori History	1	0	0.00	0	0.00
HN	Nationalism & Modern State	4	1	25.00	4	100.00
HR	Revolutions	90	35	38.89	83	92.22
HU	Hungarian	-				
HW	History of Western Ideas	2	2	100.00	2	100.00
IL	Italian	42	31	73.81	41	97.62
IM	Information Systems	76	25	32.89	58	76.32
IN	Indonesian	28	24	85.71	28	100.00
IP	Info Processing & Management	518	287	55.41	474	91.51

Study Code	1996 STUDY	Number of students in the Top 5%	Number of times the scaled score was highest	Percentage where the scaled score was highest	Number of times the scaled score was in the Primary 4	Percentage where the scaled score was in the Primary 4
IS	International Studies	43	22	51.16	38	88.37
IY	Info Tech in Society	8	4	50.00	8	100.00
JA	Japanese	29	18	62.07	28	96.55
KH	Khmer	-				
KO	Korean	1	1	100.00	1	100.00
LA	Latin	3	3	100.00	3	100.00
LI	Literature	203	78	38.42	191	94.09
LN	Latvian	-				
LS	Legal Studies	499	228	45.69	457	91.58
LT	Lithuanian	-				
MA	Macedonian	2	2	100.00	2	100.00
MD	Music: History & Styles	10	1	10.00	8	80.00
ME	Media	118	74	62.71	111	94.07
MG	Modern Greek	36	30	83.33	36	100.00
ML	Maltese	-				
MM	Music Performance: Group	16	5	31.25	13	81.25
MS	Music Performance: Solo	39	22	56.41	33	84.62
MT	Materials & Technology	170	128	75.29	167	98.24
NF	Mathematics: Further	819	552	67.40	789	96.34
NK	Mathematical Methods	951	193	20.29	903	94.95
NS	Mathematics: Specialist	285	278	97.54	285	100.00
OE	Outdoor Education	69	51	73.91	67	97.10
PE	Physical Education	284	151	53.17	268	94.37
PG	Portuguese	-				
PH	Physics	367	11	3.00	222	60.49
PO	Polish	2	2	100.00	2	100.00
PS	Political Studies	49	20	40.82	48	97.96
PY	Psychology	600	288	48.00	567	94.50
RS	Religion & Society	24	14	58.33	22	91.67
RU	Russian	-				
SA	Studio Arts	183	113	61.75	172	93.99
SC	Science	9	2	22.22	8	88.89
SE	Serbian	2	2	100.00	2	100.00
SI	Sinhala	-				
SL	Slovenian	-				
SP	Spanish	8	7	87.50	8	100.00
ST	Systems & Technology	61	34	55.74	51	83.61
SW	Swedish	-				
TD	Tech Design & Development	167	110	65.87	158	94.61
TS	Theatre Studies	24	12	50.00	23	95.83
TT	Texts & Traditions	16	1	6.25	15	93.75
TU	Turkish	8	5	62.50	7	87.50
UK	Ukrainian	-				
VT	Vietnamese	17	14	82.35	17	100.00

H 6: LOTE Contribution to the Highest Scaled Score and/or the Primary Four

The following table gives: the number of 1996 students completing each study, the number and percentage of times students doing the study also did a LOTE, and the number and percentage of times the score in the LOTE was 'best' and/or used in the 'primary four' when calculating the TER aggregate.

Study Code	1996 STUDY	Total Number of Students	Number of students who did a LOTE	Percent of students who did a LOTE	Number of students where LOTE scaled score was highest	Overall Percentage where LOTE scaled score was highest	Percentage of LOTE results where LOTE scaled score was highest	Number of students with a LOTE scaled score in the Primary 4	Overall Percentage of students with a LOTE scaled core in the Primary 4	Percentage of LOTE students with a LOTE scaled score in the Primary 4
AC	Accounting	6061	786	12.97	468	7.72	59.54	669	11.04	85.11
AG	Ancient Greek	2	2	100.00	2	100.00	100.00	2	100.00	100.00
AH	Agricultural & Horticultural Studies	522	7	1.34	3	0.57	42.86	6	1.15	85.71
AI	Australian Indigenous	0								
AR	Arabic	84	84	100.00	40	47.62	47.62	70	83.33	83.33
AS	Australian Studies	309	14	4.53	10	3.24	71.43	12	3.88	85.71
AT	Art	3002	248	8.26	148	4.93	59.68	227	7.56	91.53
AU	Auslan	18	18	100.00	8	44.44	44.44	14	77.78	77.78
BE	Bengali	0								
BI	Biology	9737	1113	11.43	633	6.50	56.87	961	9.87	86.34
BM	Business Management	6702	509	7.59	340	5.07	66.80	463	6.91	90.96
CC	Classical Societies & Culture	151	28	18.54	17	11.26	60.71	26	17.22	92.86
CH	Chemistry	8178	1470	17.98	647	7.91	44.01	1124	13.74	76.46
CL	Chinese -Second Language	199	199	100.00	83	41.71	41.71	146	73.37	73.37
CN	Chinese	250	250	100.00	118	47.20	47.20	198	79.20	79.20
CR	Croatian	99	99	100.00	53	53.54	53.54	77	77.78	77.78
CS	Contemporary Society	294	29	9.86	19	6.46	65.52	27	9.18	93.10
CZ	Czech	1	1	100.00	1	100.00	100.00	1	100.00	100.00
DA	Dance	99	3	3.03	1	1.01	33.33	3	3.03	100.00
DR	Drama	899	67	7.45	35	3.89	52.24	57	6.34	85.07
DS	Dance Styles	55	3	5.45	1	1.82	33.33	3	5.45	100.00
DU	Dutch	1	1	100.00	1	100.00	100.00	1	100.00	100.00
EC	Economics	3744	485	12.95	270	7.21	55.67	401	10.71	82.68
EF	English (ESL)	2204	895	40.61	582	26.41	65.03	790	35.84	88.27
EN	English	38909	4475	11.50	2313	5.94	51.69	3702	9.51	82.73
ES	Environmental Studies	638	14	2.19	8	1.25	57.14	13	2.04	92.86
ET	Estonian	0								
FA	Farsi	17	17	100.00	10	58.82	58.82	14	82.35	82.35
FR	French	887	887	100.00	499	56.26	56.26	793	89.40	89.40
GC	Graphic Communication	4495	299	6.65	184	4.09	61.54	270	6.01	90.30
GE	Geography	2425	151	6.23	87	3.59	57.62	123	5.07	81.46
GN	German	575	575	100.00	317	55.13	55.13	504	87.65	87.65
HA	Australian History	1501	122	8.13	52	3.46	42.62	99	6.60	81.15
HB	Hebrew	75	75	100.00	37	49.33	49.33	61	81.33	81.33
HC	The City in History	481	91	18.92	50	10.40	54.95	80	16.63	87.91
HD	Human Development	5515	325	5.89	215	3.90	66.15	294	5.33	90.46
HE	Health Education	1631	87	5.33	59	3.62	67.82	80	4.90	91.95
HI	Hindi	5	5	100.00	4	80.00	80.00	4	80.00	80.00
HK	Koori History	24	0	0.00	0	0.00		0	0.00	
HN	Nationalism & Modern State	63	10	15.87	6	9.52	60.00	9	14.29	90.00
HR	Revolutions	1545	202	13.07	95	6.15	47.03	161	10.42	79.70
HU	Hungarian	10	10	100.00	7	70.00	8.00	8	80.00	80.00
HW	History of Western Ideas	73	2	2.74	2	2.74	100.00	2	2.74	100.00
IL	Italian	683	683	100.00	410	60.03	60.03	586	85.80	85.80
IM	Information Systems	1278	83	6.49	43	3.36	51.81	69	5.40	83.13
IN	Indonesian	475	475	100.00	224	47.16	47.16	370	77.89	77.89

Study Code	1996 STUDY	Total Number of Students	Number of students who did a LOTE	Percent of students who did a LOTE	Number of students where LOTE scaled score was highest	Overall Percentage where LOTE scaled score was highest	Percentage of LOTE results where LOTE scaled score was highest	Number of students with a LOTE scaled score in the Primary 4	Overall Percentage of students with a LOTE scaled core in the Primary 4	Percentage of LOTE students with a LOTE scaled score in the Primary 4
IP	Info Processing & Management	9421	866	9.19	562	5.97	64.90	777	8.25	89.72
IS	International Studies	817	91	11.14	53	6.49	58.24	76	9.30	83.52
IY	Info Tech in Society	167	23	13.77	21	12.57	91.30	22	13.17	95.65
JA	Japanese	556	556	100.00	278	50.00	50.00	473	85.07	85.07
KH	Khmer	5	5	100.00	3	60.00	60.00	5	100.00	100.00
KO	Korean	16	16	100.00	9	56.25	56.25	11	68.75	68.75
LA	Latin	56	56	100.00	29	51.79	51.79	47	83.93	83.93
LI	Literature	3602	459	12.74	220	6.11	47.93	391	10.86	85.19
LN	Latvian	2	2	100.00	2	100.00	100.00	2	100.00	100.00
LS	Legal Studies	7661	782	10.21	476	6.21	60.87	678	8.85	86.70
LT	Lithuanian	2	2	100.00	2	100.00	100.00	2	100.00	100.00
MA	Macedonian	129	129	100.00	80	62.02	62.02	116	89.92	89.92
MD	Music: History & Styles	148	22	14.86	9	6.08	40.91	19	12.84	86.36
ME	Media	2307	141	6.11	91	3.94	64.54	129	5.59	91.49
MG	Modern Greek	604	604	100.00	367	60.76	60.76	524	86.75	86.75
ML	Maltese	6	6	100.00	5	83.33	83.33	5	83.33	83.33
MM	Music Performance: Group	283	15	5.30	9	3.18	60.00	13	4.59	86.67
MS	Music Performance: Solo	690	99	14.35	50	7.25	50.51	85	12.32	85.86
MT	Materials & Technology	3327	117	3.52	72	2.16	61.54	106	3.19	90.60
NF	Mathematics: Further	12622	1201	9.52	797	6.31	66.36	1101	8.72	91.67
NK	Mathematical Methods	15755	2874	18.24	1324	8.40	46.07	2266	14.38	78.84
NS	Mathematics: Specialist	5638	932	16.53	229	4.06	24.57	591	10.48	63.41
OE	Outdoor Education	1182	15	1.27	9	0.76	60.00	13	1.10	86.67
PE	Physical Education	4888	183	3.74	112	2.29	61.20	154	3.15	84.15
PG	Portuguese	14	14	100.00	6	42.86	42.86	8	57.14	57.14
PH	Physics	6981	997	14.28	353	5.06	35.41	708	10.14	71.01
PO	Polish	44	44	100.00	26	59.09	59.09	36	81.82	81.82
PS	Political Studies	932	126	13.52	60	6.44	47.62	105	11.27	83.33
PY	Psychology	9427	929	9.85	567	6.01	61.03	810	8.59	87.19
RS	Religion & Society	472	47	9.96	23	4.87	48.94	42	8.90	89.36
RU	Russian	12	12	100.00	9	75.00	75.00	12	100.00	100.00
SA	Studio Arts	3376	224	6.64	130	3.85	58.04	204	6.04	91.07
SC	Science	193	10	5.18	6	3.11	60.00	9	4.66	90.00
SE	Serbian	34	34	100.00	19	55.88	55.88	27	79.41	79.41
SI	Sinhala	4	4	100.00	3	75.00	75.00	4	100.00	100.00
SL	Slovenian	1	1	100.00	0	0.00	0.00	1	100.00	100.00
SP	Spanish	141	141	100.00	78	55.32	55.32	119	84.40	84.40
ST	Systems & Technology	1163	31	2.67	19	1.63	61.29	24	2.06	77.42
SW	Swedish	2	2	100.00	2	100.00	100.00	2	100.00	100.00
TD	Tech Design & Development	3282	131	3.99	83	2.53	63.36	118	3.60	90.08
TS	Theatre Studies	516	44	8.53	24	4.65	54.55	38	7.36	86.36
TT	Texts & Traditions	333	29	8.71	18	5.41	62.07	25	7.51	86.21
TU	Turkish	162	162	100.00	104	64.20	64.20	137	84.57	84.57
UK	Ukrainian	7	7	100.00	3	42.86	42.86	6	85.71	85.71
VT	Vietnamese	303	303	100.00	146	48.18	48.18	228	75.25	75.25

Proportion of Study Populations Achieving Various Minimal TER Levels.

The following tables give the studies and the proportion of the study population achieving scaled scores in that study and TERs in the respective ranges.

For TERs of at least 90.00 only those studies whose population proportion exceeded 20% are listed.

For TERs of at least 95.00 and at least 98.00 only those studies whose population proportion exceeded 10% are listed.

In all three cases small studies have been excluded.

H 7: Proportion of Study Population Achieving a TER of at Least 98.00

TER at least 98.00	
1996 Study	Proportion of Study Population
Latin	35.71
Hebrew	22.67
Chinese - CSL	15.08
French	12.29
Specialist Mathematics	10.50

H 8: Proportion of Study Population Achieving a TER of at Least 95.00

TER at least 95.00	
1996 Study	Proportion of Study Population
Latin	60.71
Hebrew	44.00
French	26.04
Chinese - CSL	25.63
Specialist Mathematics	23.96
Hungarian	20.00
Japanese	19.78
German	19.30
Korean	18.75
Chemistry	17.05
Physics	15.44
Portuguese	14.29
Classical Society & Culture	13.25
City in History	13.10
English - ESL	12.57
Indonesian	10.53
Mathematical Methods	10.50
Chinese	10.40

H 9: Proportion of Study Population Achieving A TER of at Least 90.00

TER at least 90.00	
1996 Study	Proportion of Study Population
Latin	76.79
Hebrew	74.67
Korean	43.75
French	41.83
Specialist Mathematics	41.11
Chinese - CSL	40.20
Japanese	37.77
German	34.43
Chemistry	30.52
Hungarian	30.00
Physics	27.06
Russian	25.00
Indonesian	24.42
Chinese	23.20
City in History	22.45
Nationalism & Modern State	22.22
English - ESL	21.91
Mathematical Methods	21.02

Note: Students should not deduce from these tables to do one of the studies listed.

Maximum Scaled Score Distribution by Study at Various TER levels.

The following tables give the studies and the percentage of maximum scaled scores achieved in those studies for TERs in the top 10%, 5% and 2%. Only those studies where the percentage exceeded 1% are listed.

Recall that each student has only one maximum scaled study score.

H 10: Analysis of Percentage of Maximum Scaled Score per Study for a TER of at Least 98.00

TER at least 98.00	
1996 Study	Percentage
Specialist Mathematics	57.62
English	9.84
French	5.28
Mathematical Methods	3.60
Biology	1.68
Literature	1.68
Legal Studies	1.68
Latin	1.56
Psychology	1.56
German	1.32
Chemistry	1.20
Economics	1.08
English - ESL	1.08
All Others	10.82

H 11: Analysis of Percentage of Maximum Scaled Score per Study for a TER of at Least 95.00

TER at least 95.00	
1996 Study	Percentage
Specialist Mathematics	48.94
English	10.42
Mathematical Methods	7.25
French	4.66
Biology	2.69
Psychology	2.31
Literature	1.92
German	1.83
Chemistry	1.78
Legal Studies	1.73
Economics	1.15
Japanese	1.01
All others	14.31

H 12: Analysis of Percentage of Maximum Scaled Score per Study for a TER of at Least 90.00

TER at least 90.00	
1996 Study	Percentage
Specialist Mathematics	38.20
Mathematical Methods	11.88
English	11.28
French	3.86
Biology	2.93
Psychology	2.59
Legal Studies	2.14
German	1.97
Chemistry	1.87
Literature	1.85
Accounting	1.51
Economics	1.46
Japanese	1.46
Info. Processing & Management	1.18
Further Mathematics	1.10
Revolutions	1.03
English - ESL	1.01
All others	12.68

H 13: English Contribution to the 1996 TER.

The following table gives the contribution of the English study score to the 1996 TER calculation process:

TER Range	English Study Score						
	Minimum	Lower Quartile	Median	Upper Quartile	Maximum	Mode	Average
< 10.00	6	18	20	23	30	21	20.2446
10.00 - 19.95	12	22	24	26	35	24	24.2091
20.00 - 29.95	16	25	26	28	38	27	26.4247
30.00 - 30.95	17	26	28	30	38	29	28.2074
40.00 - 49.95	18	28	30	32	43	30	29.8722
50.00 - 59.95	17	30	31	33	46	31	31.4508
60.00 - 69.95	20	31	33	35	46	33	33.0641
70.00 - 79.95	19	33	35	37	46	35	34.8672
80.00 - 89.95	19	35	37	39	50	36	36.9381
90.00 - 95.95	26	38	41	44	50	40	41.0525

H 14: Gender Breakdown in Various TER Ranges.

The following table gives the breakdown between males and females, in various TER ranges in 1996.

TER Range	Gender	Count	Average TER	Standard Deviation of TER
all	Female	23007	51.73	27.828
	Male	18947	47.69	29.955
90.00 - 99.95	Female	2235	94.86	2.830
	Male	1947	95.10	2.937
80.00 - 89.95	Female	2441	84.91	2.886
	Male	1763	85.02	2.925
70.00 - 79.95	Female	2438	74.99	2.883
	Male	1726	74.91	2.868
60.00 - 69.95	Female	2464	64.96	2.867
	Male	1738	64.99	2.933
50.00 - 59.95	Female	2507	54.97	2.866
	Male	1703	54.91	2.934
40.00 - 49.95	Female	2476	44.92	2.870
	Male	1711	44.95	2.905
30.00 - 39.95	Female	2385	34.94	2.881
	Male	1807	34.94	2.885
20.00 - 29.95	Female	2179	25.01	2.886
	Male	1995	24.95	2.876
10.00 - 19.95	Female	2120	15.05	2.916
	Male	2092	14.94	2.856
<10.00	Female	1762	5.24	2.878
	Male	2465	4.78	2.891