

Section H

Scaling Data

- H1 Analysis of 1997 Scaled Scores
- H2 1997 Scaled Aggregate To TER Table
Information on the Scaling Process and Analysis of Scaled Scores above 50.
- H3 Individual Study Contribution to the Highest Scaled Score and/or the 'Primary Four'.
- H4 Individual Study Contribution to the Highest Scaled Score and/or the 'Primary Four' for the top 10% of Students in Each Study.
- H5 Individual Study Contribution to the Highest Scaled Score and/or the 'Primary Four' for the top 5% of Students in Each Study.
- H6 LOTE Contribution to the Highest Scaled Score and/or the 'Primary Four'

Proportion of Study Populations Achieving Various Minimal TER Levels.

- H7 Proportion of Study Population Achieving a TER of at Least 98.00
- H8 Proportion of Study Population Achieving a TER of at Least 95.00
- H9 Proportion of Study Population Achieving a TER of at Least 90.00

Maximum Scaled Score Distribution by Study at Various TER Levels.

- H10 Analysis of Percentage of Maximum Scaled Score per Study for a TER of at Least 98.00
- H11 Analysis of Percentage of Maximum Scaled Score per Study for a TER of at Least 95.00
- H12 Analysis of Percentage of Maximum Scaled Score per Study for a TER of at Least 90.00

English Contribution.

- H13 English Contribution to the 1997 TER

Gender Breakdown.

- H14 Gender Breakdown in Various TER Ranges

TER Levels for students born on or after 1 January 1981

- H15 The distribution of 1997 TERs for VCE students born on or after 1/1/1981

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 1997 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 1996 and 1997, provided that at most one result is from 1996. The scaling population is therefore a subset of the entire population. The means and standard deviations below pertain to the scaling population in 1997.

The following table gives the 1997 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.

1997 Study	Mean	St.Dev.	20	25	30	35	40	45	50	
Accounting	29.5	6.9	19	24	29	34	39	45	50	
Agricultural & Horticultural Studies	22.8	6.5	13	17	21	26	32	39	50	
Art	27.6	7.1	17	22	27	32	38	44	50	
Australian Studies	25.0	7.2	13	18	24	30	37	44	50	
Biology	30.2	6.8	20	25	30	35	40	45	50	
Business Management	25.1	6.9	15	19	24	29	35	42	50	
Classical Societies & Cultures	32.8	7.2	21	27	32	38	42	47	50	
Chemistry	34.2	7.0	23	29	35	40	44	47	50	
Contemporary Society	26.3	6.7	16	21	26	31	36	43	50	
Dance	27.9	6.8	18	23	27	33	38	44	50	
Dance Styles	29.6	6.1	20	25	30	34	39	44	50	
Drama	27.8	7.1	17	22	27	32	38	44	50	
Economics	30.6	7.1	20	25	31	36	41	46	50	
English - Second Language (ESL)	29.3	8.1	17	23	29	35	41	46	50	
English	28.6	7.4	17	22	28	34	39	45	50	
Environmental Studies	26.1	6.8	16	21	25	30	36	42	50	
Geography	28.6	7.4	17	23	28	34	39	45	50	
Graphic Communication	25.8	7.0	15	20	25	30	36	43	50	
Health Education	25.1	7.1	15	19	24	29	35	42	50	
History:										
Australian History	30.3	7.6	20	26	32	37	43	47	50	
The City in History	34.1	7.0	21	27	32	37	42	46	50	
Koori History	27.3	5.7	18	26	33	39	45	48	50	
Nationalism & Modern State	34.7	4.6	16	22	29	35	41	47	50	
Revolutions	32.5	7.3	20	26	32	37	42	47	50	
History of Western Ideas	28.8	7.0	19	24	29	35	40	45	50	
Asian History	30.1	7.1	20	25	30	35	40	45	50	
Human Development	26.3	6.8	16	21	26	31	36	43	50	
Industry & Enterprise Studies	21.4	6.4	13	17	21	25	31	38	50	
Information Technology:										
Information Systems	28.2	6.9	18	23	28	33	39	44	50	
Information Processing and Management	26.6	6.8	17	21	26	31	37	43	50	
Information Technology in Society	24.3	7.1	13	17	22	28	34	42	50	
International Studies	31.3	7.5	20	26	31	37	42	47	50	
Legal Studies	28.3	7.2	18	23	28	33	39	44	50	
Literature	31.9	6.9	21	26	32	37	42	46	50	
LOTE:										
Albanian	-	-							see note 2 below	
SLO	Ancient Greek	37.3							see note 1 below	
	Arabic	30.0	7.0	20	25	30	35	40	45	50
	Auslan	34.4	5.2	27	31	35	39	42	46	50
SLO	Australian Indigenous	-							see note 1 below	
SLO	Bengali	37.0							see note 1 below	
	Chinese	37.2	7.1	25	32	37	43	47	50	51
	Chinese - Second Language (CSL)	40.6	6.6	31	37	42	47	50	52	54
	Croatian	31.8	6.5	22	27	32	36	41	45	50
SLO	Czech	36.8							see note 1 below	
SLO	Dutch	40.6							see note 1 below	
SLO	Estonian	-	-						see note 1 below	
	French	40.9	6.7	30	36	42	46	49	52	54
	German	39.5	6.8	29	35	41	45	49	51	53

1997 Study		Mean	St.Dev.	20	25	30	35	40	45	50
	Hebrew	42.8	5.7	32	38	44	48	51	53	54
	Hindi	35.2	7.9	23	28	34	39	44	48	51
	Hungarian	35.5	5.0	27	32	36	40	43	47	50
	Indonesian	35.5	6.3	23	28	34	38	43	47	50
	Indonesian – Second Language	38.4	6.5	28	34	39	43	47	50	51
	Italian	34.9	6.9	25	30	36	40	44	48	50
	Japanese	39.8	6.3	30	36	41	45	48	51	52
	Khmer	33.7	6.5	21	25	29	33	38	43	50
	Korean	36.2	7.1	15	22	29	36	42	47	50
	Latin	45.0	7.3	33	41	47	51	53	54	55
SLO	Latvian	37.5					see note 1 below			
SLO	Lithuanian	37.5					see note 1 below			
	Macedonian	28.4	6.6	19	23	28	33	38	43	50
SLO	Maltese	31.3					see note 1 below			
	Modern Greek	32.3	6.9	21	27	32	37	42	46	50
	Persian	33.0	7.1	21	26	31	37	41	46	50
	Polish	34.7	6.6	24	30	35	40	44	47	50
	Portuguese	30.2	6.3	22	26	30	35	39	44	50
	Romanian	-					see note 2 below			
	Russian	37.2	7.2	25	32	38	43	47	50	52
	Serbian	32.2	5.8	24	28	32	36	40	44	50
	Sinhala	38.5	4.9	24	29	34	39	43	47	50
SLO	Slovenian	30.0					see note 1 below			
	Spanish	32.3	6.7	21	26	32	37	42	46	50
SLO	Swedish	33.7					see note 1 below			
	Tamil	-					see note 2 below			
	Turkish	28.7	6.8	19	24	29	33	39	44	50
	Ukrainian	35.7	4.8	29	33	37	40	44	47	50
	Vietnamese	31.3	7.0	21	26	31	36	41	46	50
	Materials and Technology	22.5	6.8	13	17	21	26	32	40	50
	Mathematics:									
	Further Mathematics	26.3	6.7	17	21	26	31	36	42	50
	Mathematical Methods	36.1	6.9	25	31	37	41	45	48	50
	Specialist Mathematics	41.0	7.1	30	36	42	46	50	53	55
	Media	25.9	7.1	16	20	25	30	36	43	50
	Music:									
	Music : History & Styles	32.3	7.0	21	26	32	37	42	47	50
	Music Craft: Group Performance	26.6	6.8	16	21	26	31	36	42	50
	Music Craft: Solo Performance	32.2	6.7	22	27	32	37	42	46	50
	Outdoor Education	24.1	6.8	15	19	23	28	34	41	50
	Physical Education	27.6	6.8	18	22	27	32	38	43	50
	Physics	32.8	7.4	21	27	33	38	43	47	50
	Political Studies	33.3	7.2	22	28	33	38	43	47	50
	Psychology	28.0	7.0	17	22	27	33	38	44	50
	Religion and Society	29.6	7.1	19	24	29	35	40	45	50
	Science	26.0	8.3	14	19	25	31	37	43	50
	Studio Arts	25.8	7.1	15	20	25	30	36	43	50
	Systems and Technology	22.0	6.0	13	17	21	25	30	38	50
	Technological Design & Development	23.0	6.8	13	17	22	27	33	40	50
	Texts and Traditions	32.5	6.8	22	27	32	37	41	46	50
	Theatre Studies	28.6	6.7	18	23	28	33	39	44	50

NOTES:

- Eleven 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.

- Three LOTEs, Albanian, Romanian and Tamil, were new in 1997 and had no completing students at level 3/4.

H 2: 1997 Scaled Aggregate Table

Based on the 1997 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	82.6
15.00	89.5
20.00	95.3
25.00	100.4
30.00	105.1
35.00	109.6
40.00	114.0
45.00	118.4
50.00	122.9
55.00	127.3
60.00	131.9
63.00	134.7
66.00	137.8
69.00	140.8
72.00	143.9
75.00	147.1
78.00	150.6
81.00	154.3
84.00	158.5
87.00	163.1
90.00	168.4
91.00	170.3
92.00	172.4
93.00	174.5
94.00	177.0
95.00	179.7
96.00	185.8
97.00	187.9
98.00	190.2
98.50	192.7
99.00	195.8
99.25	198.2
99.50	201.1
99.75	205.0

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

In the 1997 scaling and aggregation process:

- ◆ 42936 students received a TER
- ◆ 743 scaled scores above 50 were used in aggregation, with
 - ❖ 678 being for results in 1997 studies
 - ❖ 62 being for results in 1996 studies
 - ❖ 3 being for results in 1995 studies
- 691 students (1.61% of those receiving a TER) used at least one scaled score above 50 in their aggregate
- 50 students (7.24% of those having at least one scaled score above 50 and 0.12% of those receiving a TER) made use of more than one scaled score above 50 in their aggregate.

To be more precise:

- ❖ in 641 cases only one scaled score above 50 was available for aggregation, with
 - 597 instances of scaled scores from 1997 studies
 - 41 instances of scaled scores from 1996 studies
 - 3 instances of scaled scores from 1995 studies
- ❖ in 48 cases two scaled scores above 50 were available for aggregation, with
 - 29 combinations of two scaled scores above 50 from 1997 studies
 - 18 combinations of one scaled score above 50 from a 1996 study and one scaled score above 50 from a 1997 study
 - 1 combination of two scaled scores above 50 from 1996 studies
- ❖ in 2 cases three scaled scores above 50 were available for aggregation, with
 - one combination of one scaled score above 50 from a 1996 study and two scaled scores above 50 from 1997 studies
 - one combination of three scaled scores above 50 from 1997 studies

In detail, the 691 students making use of scaled scores above 50 did so in the following combinations:

Single Study:

503 in Specialist Mathematics

1 achieved in 1996

502 achieved in 1997

57 in French

1 achieved in 1995

13 achieved in 1996

43 achieved in 1997

20 in Japanese

9 achieved in 1996

11 achieved in 1997

17 in German

1 in German in 1995

2 achieved in 1996

14 achieved in 1997

9 in Latin, achieved in 1997

8 in Chinese – Second Language

5 achieved in 1996

3 achieved in 1997

7 In Chinese

1 achieved in 1996

6 achieved in 1997

6 in Hebrew

4 achieved in 1996

2 achieved in 1997

4 in Indonesian-Second Language, achieved in 1997

3 in Indonesian, achieved in 1996

2 in Russian

1 achieved in 1996

1 achieved in 1997

2 in Dutch, achieved in 1997

1 in Lithuanian, achieved in 1997

1 in Czech, achieved in 1996

1 in Swedish, achieved in 1995

Two Studies:

14 in French and Specialist Mathematics

3 where that in French was achieved in 1996 and that in Specialist Mathematics was achieved in 1997

11 where both were achieved in 1997

12 in Latin and Specialist Mathematics

1 where that in Latin was achieved in 1996 and that in Specialist Mathematics was achieved in 1997

11 where both were achieved in 1997

6 in Specialist Mathematics and Chinese

1 where both were achieved in 1996

5 where that in Chinese was achieved in 1996 and that in Specialist Mathematics was achieved in 1997

6 in German and Specialist Mathematics

1 where that in German was achieved in 1996 and that in Specialist Mathematics was achieved in 1997

5 where both were achieved in 1997

4 in Specialist Mathematics and Chinese – Second Language

3 where that in CSL was achieved in 1996 and that in Specialist Mathematics was achieved in 1997

1 where both were achieved in 1997

2 in Hebrew and Specialist Mathematics

both where that in Hebrew was achieved in 1996 and that in Specialist Mathematics was achieved in 1997

1 in Dutch and French

both scaled scores being achieved in 1997

1 in Latin and French

the scaled score in Latin being achieved in 1996 and that in French being achieved in 1997

1 in Ancient Greek and Latin

the scaled score in Latin being achieved in 1996 and that in Ancient Greek being achieved in 1997

Three Studies:

1 in Chinese – Second Language, Latin and French, where that in French was achieved in 1996 and the remaining two in 1997

1 in Specialist Mathematics, Latin and Chinese – Second Language, where all three were achieved in 1997

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

The following table gives the number of 1997 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 or ENTER aggregate.

1997 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	6012	770	12.81	4147	68.98
AG Ancient Greek	3	1	33.33	3	100.00
AH Agric & Horticulture Studies	476	90	18.91	381	80.04
AI Australian Indigenous	1	1	100.00	1	100.00
AR Arabic	79	37	46.84	60	75.95
AS Australian Studies	152	36	23.68	125	82.24
AT Art	2854	538	18.85	2085	73.06
AU Auslan	17	10	58.82	12	70.59
BE Bengali	1	0	0.00	1	100.00
BI Biology	9410	1204	12.79	6404	68.06
BM Business Management	6621	1264	19.09	5167	78.04
CC Classical Soc & Culture	248	31	12.50	187	75.40
CH Chemistry	8555	375	4.38	4200	49.09
CL Chinese -Second Language	236	96	40.68	169	71.61
CN Chinese	250	90	36.00	202	80.80
CR Croatian	92	47	51.09	71	77.17
CS Contemporary Society	319	60	18.81	269	84.33
CZ Czech	2	1	50.00	2	100.00
DA Dance	109	26	23.85	92	84.40
DR Drama	849	212	24.97	597	70.32
DS Dance Styles	73	17	23.29	59	80.82
DU Dutch	8	5	62.50	8	100.00
EC Economics	3503	468	13.36	2331	66.54
EF English (ESL)	2253	237	10.52	2253	100.00
EN English	39366	6676	16.96	39366	100.00
ES Environmental Studies	579	114	19.69	445	76.86
ET Estonian	1	1	100.00	1	100.00
FA Persian	13	6	46.15	12	92.31
FR French	951	443	46.58	805	84.65
GC Graphic Communication	4430	912	20.59	3208	72.42
GE Geography	2125	485	22.82	1661	78.16
GN German	610	283	46.39	531	87.05
H8 Asian History	27	4	14.81	20	74.07
HA Australian History	1452	266	18.32	1106	76.17
HB Hebrew	61	26	42.62	52	85.25
HC The City in History	508	71	13.98	352	69.29
HD Human Development	5300	1014	19.13	4148	78.26
HE Health Education	1578	353	22.37	1244	78.83
HI Hindi	6	3	50.00	5	83.33
HK Koori History	3	2	66.67	2	66.67
HR Revolutions	1747	283	16.20	1294	74.07
HU Hungarian	11	6	54.55	8	72.73
HW History of Western Ideas	81	15	18.52	61	75.31
IL Italian	685	368	53.72	583	85.11
IM Information Systems	1394	250	17.93	935	67.07
IN Indonesian	138	55	39.86	115	83.33
IX Indonesian Second Language	441	249	56.46	394	89.34

1997 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
IP	Info Proc & Management	9174	1790	19.51	6880	74.99
IS	International Studies	770	129	16.75	562	72.99
IY	Info Tech in Society	92	20	21.74	82	89.13
JA	Japanese	687	276	40.17	580	84.43
KH	Khmer	7	2	28.57	7	100.00
KO	Korean	18	6	33.33	8	44.44
LA	Latin	79	37	46.84	71	89.87
LI	Literature	3842	538	14.00	2914	75.85
LN	Latvian	2	1	50.00	2	100.00
LS	Legal Studies	6998	1153	16.48	5162	73.76
LT	Lithuanian	3	3	100.00	3	100.00
MA	Macedonian	124	69	55.65	109	87.90
MD	Music:History & Styles	145	27	18.62	99	68.28
ME	Media	2251	466	20.70	1733	76.99
MG	Modern Greek	553	297	53.71	460	83.18
ML	Maltese	3	3	100.00	3	100.00
MM	Music Performance: Group	319	91	28.53	226	70.85
MS	Music Performance: Solo	674	157	23.29	418	62.02
MT	Materials & Technology	3222	696	21.60	2548	79.08
NF	Mathematics:Further	12775	2755	21.57	9210	72.09
NK	Mathematical Methods	16339	5468	33.47	14132	86.49
NS	Mathematics:Specialist	6228	2861	45.94	5828	93.58
OE	Outdoor Education	1140	246	21.58	891	78.16
PE	Physical Education	4884	863	17.67	3549	72.67
PG	Portuguese	22	13	59.09	18	81.82
PH	Physics	7577	266	3.51	3901	51.48
PO	Polish	39	21	53.85	30	76.92
PS	Political Studies	922	147	15.94	658	71.37
PY	Psychology	9640	1430	14.83	7425	77.02
RS	Religion & Society	478	138	28.87	373	78.03
RU	Russian	14	5	35.71	11	78.57
SA	Studio Arts	3577	788	22.03	2713	75.85
SC	Science	75	12	16.00	53	70.67
SE	Serbian	34	18	52.94	28	82.35
SI	Sinhala	3	0	0.00	2	66.67
SL	Slovenian	2	1	50.00	2	100.00
SP	Spanish	146	90	61.64	120	82.19
ST	Systems & Technology	1122	247	22.01	894	79.68
SW	Swedish	4	2	50.00	4	100.00
TD	Tech Design & Dev	3019	700	23.19	2353	77.94
TS	Theatre Studies	631	132	20.92	467	74.01
TT	Texts & Traditions	453	73	16.11	298	65.78
TU	Turkish	183	112	61.20	152	83.06
UK	Ukrainian	13	8	61.54	11	84.62
VT	Vietnamese	249	122	49.00	194	77.91

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	1997 STUDY	Number of students in the Top 10%	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	492	142	28.86	400	81.30
AG	Ancient Greek					
AH	Agric & Hortc Studies	44	26	59.09	39	88.64
AI	Australian Indigenous					
AR	Arabic	8	6	75.00	8	100.00
AS	Australian Studies	12	2	16.67	11	91.67
AT	Art	200	94	47.00	187	93.50
AU	Auslan					
BE	Bengali					
BI	Biology	913	223	24.42	725	79.41
BM	Business Management	572	324	56.64	552	96.50
CC	Classical Soc & Culture	25	8	32.00	23	92.00
CH	Chemistry	767	75	9.78	503	65.58
CL	Chinese -Second Language	20	14	70.00	19	95.00
CN	Chinese	25	18	72.00	23	92.00
CR	Croatian	8	7	87.50	8	100.00
CS	Contemporary Society	27	16	59.26	26	96.30
CZ	Czech					
DA	Dance	8	4	50.00	8	100.00
DR	Drama	83	47	56.63	76	91.57
DS	Dance Styles	4	3	75.00	3	75.00
DU	Dutch					
EC	Economics	304	91	29.93	259	85.20
EF	English (ESL)	207	52	25.12	207	100.00
EN	English	3588	1124	31.33	3576	99.67
ES	Environmental Studies	56	27	48.21	52	92.86
ET	Estonian					
FA	Persian					
FR	French	75	66	88.00	75	100.00
GC	Graphic Communication	397	198	49.87	351	88.41
GE	Geography	173	92	53.18	163	94.22
GN	German	53	37	69.81	52	98.11
H8	Asian History					
HA	Australian History	144	52	36.11	129	89.58
HB	Hebrew	6	6	100.00	6	100.00
HC	The City in History	48	16	33.33	46	95.83
HD	Human Development	429	253	58.97	415	96.74
HE	Health Education	122	88	72.13	118	96.72
HI	Hindi					
HK	Koori History					
HR	Revolutions	143	56	39.16	135	94.41
HU	Hungarian					
HW	History of Western Ideas	7	2	28.57	7	100.00
IL	Italian	66	47	71.21	64	96.97
IM	Information Systems	134	42	31.34	406	302.99
IN	Indonesian	13	7	53.85	13	100.00
IX	Indonesian Second Language	39	30	76.92	38	97.44

Study Code	1997 STUDY	Number of students in the Top 10%	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
IP	Info Proc & Management	848	413	48.70	762	89.86
IS	International Studies	65	28	43.08	57	87.69
IY	Info Tech in Society	8	5	62.50	8	100.00
JA	Japanese	67	52	77.61	66	98.51
KH	Khmer					
KO	Korean					
LA	Latin	7	5	71.43	7	100.00
LI	Literature	381	115	30.18	340	89.24
LN	Latvian					
LS	Legal Studies	605	254	41.98	539	89.09
LT	Lithuanian					
MA	Macedonian	12	9	75.00	11	91.67
MD	Music:History & Styles	12	7	58.33	11	91.67
ME	Media	201	114	56.72	189	94.03
MG	Modern Greek	52	41	78.85	48	92.31
ML	Maltese					
MM	Music Performance: Group	31	17	54.84	27	87.10
MS	Music Performance: Solo	56	17	30.36	45	80.36
MT	Materials & Technology	287	181	63.07	264	91.99
NF	Mathematics:Further	1062	612	57.63	1003	94.44
NK	Mathematical Methods	1642	360	21.92	1569	95.55
NS	Mathematics:Specialist	545	527	96.70	544	99.82
OE	Outdoor Education	106	63	59.43	101	95.28
PE	Physical Education	482	218	45.23	433	89.83
PG	Portuguese	2	1	50.00	2	100.00
PH	Physics	686	26	3.79	427	62.24
PO	Polish	4	3	75.00	4	100.00
PS	Political Studies	86	29	33.72	74	86.05
PY	Psychology	791	317	40.08	726	91.78
RS	Religion & Society	38	26	68.42	35	92.11
RU	Russian					
SA	Studio Arts	327	195	59.63	304	92.97
SC	Science	8	1	12.50	3	37.50
SE	Serbian	3	3	100.00	3	100.00
SI	Sinhala					
SL	Slovenian					
SP	Spanish	12	12	100.00	12	100.00
ST	Systems & Technology	104	43	41.35	91	87.50
SW	Swedish					
TD	Tech Design & Dev	269	181	67.29	262	97.40
TS	Theatre Studies	49	27	55.10	45	91.84
TT	Texts & Traditions	43	15	34.88	39	90.70
TU	Turkish	15	14	93.33	14	93.33
UK	Ukrainian					
VT	Vietnamese	23	18	78.26	22	95.65

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	1997 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	281	106	37.72	241	85.77
AG	Ancient Greek					
AH	Agric & Hortc Studies	19	14	73.68	17	89.47
AI	Australian Indigenous					
AR	Arabic	3	3	100.00	3	100.00
AS	Australian Studies	6	0	0.00	6	100.00
AT	Art	113	66	58.41	109	96.46
AU	Auslan					
BE	Bengali					
BI	Biology	394	126	31.98	340	86.29
BM	Business Management	330	207	62.73	326	98.79
CC	Classical Soc & Culture	12	5	41.67	10	83.33
CH	Chemistry	328	31	9.45	239	72.87
CL	Chinese -Second Language	11	7	63.64	10	90.91
CN	Chinese	11	9	81.82	11	100.00
CR	Croatian	3	2	66.67	3	100.00
CS	Contemporary Society	15	10	66.67	14	93.33
CZ	Czech					
DA	Dance	3	3	100.00	3	100.00
DR	Drama	40	23	57.50	37	92.50
DS	Dance Styles	1	1	100.00	1	100.00
DU	Dutch					
EC	Economics	173	57	32.95	152	87.86
EF	English (ESL)	89	29	32.58	89	100.00
EN	English	1536	613	39.91	1533	99.80
ES	Environmental Studies	22	13	59.09	21	95.45
ET	Estonian					
FA	Persian					
FR	French	44	41	93.18	44	100.00
GC	Graphic Communication	171	113	66.08	157	91.81
GE	Geography	98	60	61.22	96	97.96
GN	German	25	18	72.00	25	100.00
H8	Asian History					
HA	Australian History	54	25	46.30	50	92.59
HB	Hebrew	3	3	100.00	3	100.00
HC	The City in History	18	7	38.89	17	94.44
HD	Human Development	237	163	68.78	233	98.31
HE	Health Education	74	63	85.14	74	100.00
HI	Hindi					
HK	Koori History					
HR	Revolutions	79	35	44.30	78	98.73
HU	Hungarian					
HW	History of Western Ideas	2	0	0.00	2	100.00
IL	Italian	28	20	71.43	28	100.00
IM	Information Systems	58	19	32.76	48	82.76
IN	Indonesian	5	2	40.00	5	100.00
IX	Indonesian Second Language	18	15	83.33	17	94.44

Study Code	1997 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
IP	Info Proc & Management	344	208	60.47	319	92.73
IS	International Studies	30	13	43.33	27	90.00
IY	Info Tech in Society	4	3	75.00	4	100.00
JA	Japanese	25	22	88.00	25	100.00
KH	Khmer					
KO	Korean					
LA	Latin	3	1	33.33	3	100.00
LI	Literature	168	65	38.69	153	91.07
LN	Latvian					
LS	Legal Studies	349	171	49.00	323	92.55
LT	Lithuanian					
MA	Macedonian	6	6	100.00	6	100.00
MD	Music:History & Styles	7	4	57.14	7	100.00
ME	Media	90	58	64.44	89	98.89
MG	Modern Greek	24	18	75.00	22	91.67
ML	Maltese					
MM	Music Performance: Group	14	7	50.00	12	85.71
MS	Music Performance: Solo	25	10	40.00	22	88.00
MT	Materials & Technology	125	94	75.20	121	96.80
NF	Mathematics:Further	598	399	66.72	578	96.66
NK	Mathematical Methods	702	101	14.39	671	95.58
NS	Mathematics:Specialist	314	309	98.41	314	100.00
OE	Outdoor Education	47	36	76.60	46	97.87
PE	Physical Education	207	125	60.39	197	95.17
PG	Portuguese	1	0	0.00	1	100.00
PH	Physics	292	15	5.14	198	67.81
PO	Polish	1	1	100.00	1	100.00
PS	Political Studies	39	15	38.46	36	92.31
PY	Psychology	449	218	48.55	432	96.21
RS	Religion & Society	20	14	70.00	19	95.00
RU	Russian					
SA	Studio Arts	136	95	69.85	131	96.32
SC	Science	3	0	0.00	0	0.00
SE	Serbian	1	1	100.00	1	100.00
SI	Sinhala					
SL	Slovenian					
SP	Spanish	7	7	100.00	7	100.00
ST	Systems & Technology	42	25	59.52	38	90.48
SW	Swedish					
TD	Tech Design & Dev	113	92	81.42	111	98.23
TS	Theatre Studies	26	17	65.38	24	92.31
TT	Texts & Traditions	18	8	44.44	17	94.44
TU	Turkish	8	8	100.00	8	100.00
UK	Ukrainian					
VT	Vietnamese	12	11	91.67	11	91.67

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

The following table gives: the number of 1997 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	1997 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	6012	715	11.89	400	6.65	55.94	607	10.10	84.90
AG	Ancient Greek	3	3	100.00	3	100.00	100.00	3	100.00	100.00
AH	Agric & Hortic Studies	476	4	0.84	2	0.42	50.00	3	0.63	75.00
AI	Australian Indigenous	1	1	100.00	1	100.00	100.00	1	100.00	100.00
AR	Arabic	79	79	100.00	39	49.37	49.37	60	75.95	75.95
AS	Australian Studies	152	8	5.26	7	4.61	87.50	8	5.26	100.00
AT	Art	2854	271	9.50	147	5.15	54.24	234	8.20	86.35
AU	Auslan	17	17	100.00	12	70.59	70.59	14	82.35	82.35
BE	Bengali	1	1	100.00	0	0.00	0.00	1	100.00	100.00
BI	Biology	9410	1001	10.64	579	6.15	57.84	854	9.08	85.31
BM	Business Management	6621	479	7.23	319	4.82	66.60	431	6.51	89.98
CC	Classical Soc & Culture	248	39	15.73	19	7.66	48.72	28	11.29	71.79
CH	Chemistry	8555	1492	17.44	632	7.39	42.36	1126	13.16	75.47
CL	Chinese -Second Language	236	236	100.00	117	49.58	49.58	177	75.00	75.00
CN	Chinese	250	250	100.00	95	38.00	38.00	203	81.20	81.20
CR	Croatian	92	92	100.00	53	57.61	57.61	72	78.26	78.26
CS	Contemporary Society	319	27	8.46	19	5.96	70.37	24	7.52	88.89
CZ	Czech	2	2	100.00	1	50.00	50.00	2	100.00	100.00
DA	Dance	109	5	4.59	3	2.75	60.00	5	4.59	100.00
DR	Drama	849	70	8.24	39	4.59	55.71	64	7.54	91.43
DS	Dance Styles	73	2	2.74	1	1.37	50.00	2	2.74	100.00
DU	Dutch	8	8	100.00	5	62.50	62.50	8	100.00	100.00
EC	Economics	3503	451	12.87	248	7.08	54.99	374	10.68	82.93
EF	English (ESL)	2253	779	34.58	444	19.71	57.00	691	30.67	88.70
EN	English	39366	4410	11.20	2289	5.81	51.90	3638	9.24	82.49
ES	Environmental Studies	579	15	2.59	5	0.86	33.33	12	2.07	80.00
ET	Estonian	1	1	100.00	1	100.00	100.00	1	100.00	100.00
FA	Persian	13	13	100.00	6	46.15	46.15	12	92.31	92.31
FR	French	951	951	100.00	512	53.84	53.84	809	85.07	85.07
GC	Graphic Communication	4430	282	6.37	162	3.66	57.45	246	5.55	87.23
GE	Geography	2125	162	7.62	111	5.22	68.52	146	6.87	90.12
GN	German	610	610	100.00	332	54.43	54.43	532	87.21	87.21
H8	Asian History	27	4	14.81	2	7.41	50.00	2	7.41	50.00
HA	Australian History	1452	95	6.54	59	4.06	62.11	83	5.72	87.37
HB	Hebrew	61	61	100.00	30	49.18	49.18	52	85.25	85.25
HC	The City in History	508	99	19.49	53	10.43	53.54	87	17.13	87.88
HD	Human Development	5300	308	5.81	220	4.15	71.43	276	5.21	89.61
HE	Health Education	1578	73	4.63	50	3.17	68.49	62	3.93	84.93
HI	Hindi	6	6	100.00	3	50.00	50.00	5	83.33	83.33
HK	Koori History	3	0	0.00	0	0.00		0	0.00	
HR	Revolutions	1747	244	13.97	120	6.87	49.18	200	11.45	81.97
HU	Hungarian	11	11	100.00	6	54.55	54.55	8	72.73	72.73
HW	History of Western Ideas	81	3	3.70	1	1.23	33.33	2	2.47	66.67
IL	Italian	685	685	100.00	398	58.10	58.10	586	85.55	85.55
IM	Information Systems	1394	96	6.89	44	3.16	45.83	71	5.09	73.96
IN	Indonesian	138	138	100.00	60	43.48	43.48	117	84.78	84.78
IX	Indonesian Second Language	441	441	100.00	251	56.92	56.92	402	91.16	91.16

Study Code	1997 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 Proc & Management	9174	766	8.35	483	5.26	63.05	684	7.46	89.30
IS	International Studies	770	91	11.82	47	6.10	51.65	77	10.00	84.62
IY	Info Tech in Society	92	5	5.43	4	4.35	80.00	5	5.43	100.00
JA	Japanese	687	687	100.00	324	47.16	47.16	583	84.86	84.86
KH	Khmer	7	7	100.00	2	28.57	28.57	7	100.00	100.00
KO	Korean	18	18	100.00	6	33.33	33.33	8	44.44	44.44
LA	Latin	79	79	100.00	41	51.90	51.90	71	89.87	89.87
LI	Literature	3842	477	12.42	237	6.17	49.69	394	10.26	82.60
LN	Latvian	2	2	100.00	1	50.00	50.00	2	100.00	100.00
LS	Legal Studies	6998	654	9.35	375	5.36	57.34	548	7.83	83.79
LT	Lithuanian	3	3	100.00	3	100.00	100.00	3	100.00	100.00
MA	Macedonian	124	124	100.00	76	61.29	61.29	109	87.90	87.90
MD	Music:History & Styles	145	21	14.48	7	4.83	33.33	17	11.72	80.95
ME	Media	2251	127	5.64	71	3.15	55.91	101	4.49	79.53
MG	Modern Greek	553	553	100.00	314	56.78	56.78	461	83.36	83.36
ML	Maltese	3	3	100.00	3	100.00	100.00	3	100.00	100.00
MM	Music Performance: Group	319	23	7.21	12	3.76	52.17	23	7.21	100.00
MS	Music Performance: Solo	674	86	12.76	39	5.79	45.35	74	10.98	86.05
MT	Materials & Technology	3222	135	4.19	107	3.32	79.26	130	4.03	96.30
NF	Mathematics:Further	12775	1070	8.38	696	5.45	65.05	951	7.44	88.88
NK	Mathematical Methods	16339	2806	17.17	1277	7.82	45.51	2254	13.80	80.33
NS	Mathematics:Specialist	6228	1022	16.41	267	4.29	26.13	679	10.90	66.44
OE	Outdoor Education	1140	19	1.67	12	1.05	63.16	17	1.49	89.47
PE	Physical Education	4884	181	3.71	91	1.86	50.28	157	3.21	86.74
PG	Portuguese	22	22	100.00	15	68.18	68.18	18	81.82	81.82
PH	Physics	7577	994	13.12	339	4.47	34.10	722	9.53	72.64
PO	Polish	39	39	100.00	23	58.97	58.97	31	79.49	79.49
PS	Political Studies	922	110	11.93	67	7.27	60.91	92	9.98	83.64
PY	Psychology	9640	851	8.83	516	5.35	60.63	738	7.66	86.72
RS	Religion & Society	478	41	8.58	16	3.35	39.02	35	7.32	85.37
RU	Russian	14	14	100.00	5	35.71	35.71	11	78.57	78.57
SA	Studio Arts	3577	170	4.75	90	2.52	52.94	147	4.11	86.47
SC	Science	75	5	6.67	4	5.33	80.00	4	5.33	80.00
SE	Serbian	34	34	100.00	20	58.82	58.82	29	85.29	85.29
SI	Sinhala	3	3	100.00	0	0.00	0.00	2	66.67	66.67
SL	Slovenian	2	2	100.00	1	50.00	50.00	2	100.00	100.00
SP	Spanish	146	146	100.00	96	65.75	65.75	120	82.19	82.19
ST	Systems & Technology	1122	45	4.01	32	2.85	71.11	42	3.74	93.33
SW	Swedish	4	4	100.00	2	50.00	50.00	4	100.00	100.00
TD	Tech Design & Dev	3019	115	3.81	72	2.38	62.61	104	3.44	90.43
TS	Theatre Studies	631	47	7.45	22	3.49	46.81	41	6.50	87.23
TT	Texts & Traditions	453	58	12.80	32	7.06	55.17	51	11.26	87.93
TU	Turkish	183	183	100.00	120	65.57	65.57	152	83.06	83.06
UK	Ukrainian	13	13	100.00	8	61.54	61.54	11	84.62	84.62
VT	Vietnamese	249	249	100.00	126	50.60	50.60	194	77.91	77.91

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	
1997 Study	Proportion of Study Population
Latin	41.77
French	13.46
Hebrew	13.11
Chinese - CSL	12.29

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

TER at least 95.00	
1997 Study	Proportion of Study Population
Latin	53.16
Hebrew	29.51
French	27.87
Chinese - CSL	24.15
Specialist Mathematics	21.77
Japanese	19.65
German	17.87
Chemistry	16.34
Physics	14.03
City in History	13.39
Chinese	12.80
Korean	11.11
Indonesian – Second Language	10.66

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

TER at least 90.00	
1997 Study	Proportion of Study Population
Latin	73.42
Hebrew	47.54
French	43.95
Chinese - CSL	41.10
Specialist Mathematics	39.48
Japanese	35.81
German	31.64
Chemistry	29.97
Russian	28.57
Physics	25.46
Indonesian – Second Language	23.58
City in History	23.43
Chinese	23.20

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	
1997 Study	Percentage
Specialist Mathematics	56.29
English	9.86
French	6.18
Mathematical Methods	2.61
Literature	2.14
Latin	2.02
German	1.66
Biology	1.54
Psychology	1.54
Chemistry	1.43
Legal Studies	1.31
Accounting	1.19
Economics	1.19
Physics	1.19
All Others	9.85

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

TER at least 90.00	
1997 Study	Percentage
Specialist Mathematics	40.43
Mathematical Methods	10.41
English	10.29
French	4.23
Biology	2.44
Psychology	2.44
Legal Studies	2.27
Chemistry	2.22
Literature	1.80
German	1.75
Japanese	1.70
Accounting	1.35
Economics	1.28
Further Mathematics	1.11
Revolutions	1.11
All others	15.17

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

TER at least 95.00	
1997 Study	Percentage
Specialist Mathematics	48.98
English	10.45
Mathematical Methods	5.65
French	5.46
Legal Studies	2.09
Biology	1.95
Chemistry	1.85
Psychology	1.85
German	1.66
Literature	1.57
Accounting	1.24
Economics	1.19
Japanese	1.05
Latin	1.05
Revolutions	1.05
All others	12.91

H 13: English Contribution to the 1997 TER.

The following table gives the contribution of the English study score to the 1997 TER calculation process:

TER Range	English Study Score						
	Minimum	Lower Quartile	Median	Upper Quartile	Maximum	Mode	Average
< 10.00	6	18	20	22	30	21	20.1341
10.00 - 19.95	12	22	24	26	36	24	24.0572
20.00 - 29.95	16	25	26	28	38	26	26.3526
30.00 - 30.95	13	26	28	30	41	28	28.1578
40.00 - 49.95	16	28	30	32	39	30	29.7068
50.00 - 59.95	19	30	32	33	43	32	31.4476
60.00 - 69.95	21	31	33	35	44	33	32.9992
70.00 - 79.95	22	33	35	37	46	34	34.7524
80.00 - 89.95	23	35	37	39	50	37	36.9411
90.00 - 95.95	28	38	41	44	50	40	40.9295

H 14: Gender Breakdown in Various TER Ranges.

The following table gives the breakdown between males and females, in various TER ranges in 1997.

TER Range	Gender	Count	Average TER	Standard Deviation of TER
all	Female	23628	52.28	27.947
	Male	19308	47.64	30.082
90.00 - 99.95	Female	2443	94.93	2.884
	Male	2014	95.22	2.930
80.00 - 89.95	Female	2525	84.94	2.871
	Male	1775	85.09	2.873
70.00 - 79.95	Female	2535	75.00	2.894
	Male	1776	74.97	2.933
60.00 - 69.95	Female	2533	64.98	2.864
	Male	1714	64.94	2.868
50.00 - 59.95	Female	2558	55.05	2.931
	Male	1721	54.88	2.841
40.00 - 49.95	Female	2521	44.96	2.915
	Male	1754	44.94	2.870
30.00 - 39.95	Female	2318	34.91	2.858
	Male	1926	35.00	2.891
20.00 - 29.95	Female	2304	25.06	2.894
	Male	1935	24.88	2.841
10.00 - 19.95	Female	2156	15.07	2.878
	Male	2123	14.87	2.912
<10.00	Female	1735	5.143	2.880
	Male	2570	4.745	2.912

H 15. The distribution of 1997 TERs for VCE students born on or after 1/1/1981

The distribution of 1997 TERs for VCE students born on or after 1/1/1981 is as follows:

TER band	Frequency	Percentage	Cumulative frequency	Cumulative Percentage
[95.00, 100)	32	35.16%	32	35.16%
[90.00, 95.00)	9	9.89%	41	45.05%
[85.00, 90.00)	8	8.79%	49	53.85%
[80.00, 85.00)	10	10.99%	59	64.84%
[75.00, 80.00)	2	2.20%	61	67.03%
[70.00, 75.00)	2	2.20%	63	69.23%
[65.00, 70.00)	3	3.30%	66	72.53%
[60.00, 65.00)	1	1.10%	67	73.63%
[55.00, 60.00)	1	1.10%	68	74.73%
[50.00, 55.00)	3	3.30%	71	78.02%
[45.00, 50.00)	3	3.30%	74	81.32%
[40.00, 45.00)	0	0.00%	74	81.32%
[35.00, 40.00)	1	1.10%	75	82.42%
[30.00, 35.00)	3	3.30%	78	85.71%
[25.00, 30.00)	0	0.00%	78	85.71%
[20.00, 25.00)	0	0.00%	78	85.71%
[15.00, 20.00)	5	5.49%	83	91.21%
[10.00, 15.00)	1	1.10%	84	92.31%
[5.00, 10.00)	2	2.20%	86	94.51%
[0.00, 5.00)	5	5.49%	91	100%
All	91	100%		