

10 Learning and cognition outcomes

elc08a1a: 8/9 - P1 - F2F D20.1 - Reading progress

	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-9	-9	21.11	0.49	21.11	0.49
-2	-2	30.74	0.71	51.85	1.20
Much better	1	1581.92	36.53	1633.77	37.72
A little better	2	1006.65	23.24	2640.41	60.97
About the same	3	1143.26	26.40	3783.67	87.36
A little worse	4	460.57	10.63	4244.24	98.00
Much worse	5	86.76	2.00	4331.00	100.00

elc08a2a: 8/9 - P1 - F2F D20.2 - Maths progress

	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-9	-9	21.11	0.49	21.11	0.49
-2	-2	37.07	0.86	58.18	1.34
Much better	1	1186.10	27.39	1244.27	28.73
A little better	2	1125.86	26.00	2370.13	54.72
About the same	3	1520.85	35.12	3890.98	89.84
A little worse	4	362.34	8.37	4253.32	98.21
Much worse	5	77.68	1.79	4331.00	100.00

elc08a3a: 8/9 - P1 - F2F D20.3 - Overall school achievement

	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-9	-9	21.11	0.49	21.11	0.49
-2	-2	12.01	0.28	33.12	0.76
Excellent	1	978.00	22.58	1011.12	23.35
Above average	2	1395.05	32.21	2406.17	55.56
Average	3	1642.75	37.93	4048.92	93.49
Below average	4	237.63	5.49	4286.55	98.97
Well below average	5	44.45	1.03	4331.00	100.00

eppv: 8/9 - PPVT score

	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	59.78	1.38	59.78	1.38
48	2.92	0.07	62.70	1.45
56	11.87	0.27	74.57	1.72
64	6.52	0.15	81.09	1.87
72	1904.43	43.97	1985.52	45.84
80	1906.79	44.03	3892.31	89.87
88	419.44	9.68	4311.75	99.56
96	17.34	0.40	4329.09	99.96
104	1.91	0.04	4331.00	100.00

eppvt2: 8/9 - PPVT score (integers)

	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	59.78	1.38	59.78	1.38
48	2.92	0.07	62.70	1.45
56	4.21	0.10	66.91	1.54
64	14.18	0.33	81.09	1.87
72	1368.94	31.61	1450.03	33.48
80	2206.86	50.95	3656.88	84.44
88	654.86	15.12	4311.75	99.56
96	17.34	0.40	4329.09	99.96
104	1.91	0.04	4331.00	100.00

ematreas: 8/9 - Matrix reasoning

	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	64.16	1.48	64.16	1.48
1	17.78	0.41	81.94	1.89
2	3.17	0.07	85.12	1.97
3	13.16	0.30	98.28	2.27
4	70.06	1.62	168.34	3.89
5	120.63	2.79	288.97	6.67
6	233.13	5.38	522.10	12.06
7	321.42	7.42	843.52	19.48
8	315.40	7.28	1158.92	26.76
9	348.38	8.04	1507.30	34.80
10	536.72	12.39	2044.02	47.20
11	713.23	16.47	2757.25	63.66
12	531.89	12.28	3289.15	75.94
13	439.00	10.14	3728.15	86.08
14	228.49	5.28	3956.64	91.36
15	124.46	2.87	4081.10	94.23
16	84.93	1.96	4166.02	96.19
17	74.69	1.72	4240.72	97.92
18	57.48	1.33	4298.20	99.24
19	32.80	0.76	4331.00	100.00

emrraw: 8/9 - Matrix reasoning (raw score)

	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	64.16	1.48	64.16	1.48
0	3.48	0.08	67.64	1.56
1	3.78	0.09	71.42	1.65
2	6.71	0.15	78.13	1.80
3	2.93	0.07	81.06	1.87
4	4.06	0.09	85.12	1.97
5	5.89	0.14	91.01	2.10
6	10.82	0.25	101.83	2.35
7	43.00	0.99	144.83	3.34
8	43.01	0.99	187.84	4.34
9	54.22	1.25	242.05	5.59
10	92.74	2.14	334.79	7.73

emrraw: 8/9 - Matrix reasoning (raw score)

	Frequency	Percent	Cumulative Frequency	Cumulative Percent
11	132.31	3.05	467.10	10.79
12	192.32	4.44	659.43	15.23
13	204.36	4.72	863.78	19.94
14	170.13	3.93	1033.91	23.87
15	157.02	3.63	1190.93	27.50
16	168.72	3.90	1359.65	31.39
17	227.24	5.25	1586.90	36.64
18	249.15	5.75	1836.05	42.39
19	302.51	6.98	2138.56	49.38
20	364.37	8.41	2502.94	57.79
21	399.75	9.23	2902.69	67.02
22	394.72	9.11	3297.41	76.14
23	321.47	7.42	3618.88	83.56
24	220.42	5.09	3839.29	88.65
25	139.86	3.23	3979.16	91.88
26	117.90	2.72	4097.05	94.60
27	89.25	2.06	4186.30	96.66
28	68.85	1.59	4255.15	98.25
29	38.83	0.90	4293.98	99.15
30	17.47	0.40	4311.45	99.55
31	13.51	0.31	4324.96	99.86
32	4.64	0.11	4329.60	99.97
33	1.40	0.03	4331.00	100.00

elc09a11: 8/9 - Teach 16a - Conveys ideas when speaking

	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	.	56.27	1.30	56.27	1.30
-9	-9	727.74	16.80	784.01	18.10
Not applicable	-1	10.90	0.25	794.91	18.35
Not yet	1	57.02	1.32	851.93	19.67
Beginning	2	335.64	7.75	1187.56	27.42
In progress	3	711.01	16.42	1898.58	43.84
Intermediate	4	1263.79	29.18	3162.37	73.02
Proficient	5	1168.63	26.98	4331.00	100.00

elc09a12: 8/9 - Teach 16b - Strategies to gain info from print

	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	.	62.04	1.43	62.04	1.43
-9	-9	727.74	16.80	789.78	18.24
Not applicable	-1	17.00	0.39	806.78	18.63
Not yet	1	97.56	2.25	904.35	20.88
Beginning	2	378.06	8.73	1282.41	29.61
In progress	3	753.58	17.40	2035.99	47.01
Intermediate	4	1240.54	28.64	3276.53	75.65
Proficient	5	1054.47	24.35	4331.00	100.00

elc09a13: 8/9 - Teach 16c - Reads fluently

	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	.	63.02	1.46	63.02	1.46
-9	-9	727.74	16.80	790.76	18.26
Not applicable	-1	9.23	0.21	799.99	18.47
Not yet	1	127.35	2.94	927.34	21.41
Beginning	2	356.17	8.22	1283.51	29.64
In progress	3	671.20	15.50	1954.71	45.13
Intermediate	4	1035.58	23.91	2990.29	69.04
Proficient	5	1340.71	30.96	4331.00	100.00

elc09a14: 8/9 - Teach 16d - Reads grade level books

	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	.	58.24	1.34	58.24	1.34
-9	-9	727.74	16.80	785.99	18.15
Not applicable	-1	9.53	0.22	795.52	18.37
Not yet	1	146.65	3.39	942.17	21.75
Beginning	2	323.14	7.46	1265.31	29.22
In progress	3	586.28	13.54	1851.60	42.75
Intermediate	4	1037.91	23.96	2889.51	66.72
Proficient	5	1441.49	33.28	4331.00	100.00

elc09a15: 8/9 - Teach 16e - Comprehends informational text

	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	.	65.71	1.52	65.71	1.52
-9	-9	727.74	16.80	793.45	18.32
Not applicable	-1	22.70	0.52	816.16	18.84
Not yet	1	184.60	4.26	1000.76	23.11
Beginning	2	428.91	9.90	1429.67	33.01
In progress	3	729.86	16.85	2159.53	49.86
Intermediate	4	1214.89	28.05	3374.42	77.91
Proficient	5	956.58	22.09	4331.00	100.00

elc09a16: 8/9 - Teach 16f - Composes multi-paragraph texts

	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	.	69.44	1.60	69.44	1.60
-9	-9	727.74	16.80	797.18	18.41
Not applicable	-1	23.63	0.55	820.81	18.95
Not yet	1	225.31	5.20	1046.12	24.15
Beginning	2	497.13	11.48	1543.25	35.63
In progress	3	945.67	21.83	2488.92	57.47
Intermediate	4	1225.18	28.29	3714.10	85.76
Proficient	5	616.90	14.24	4331.00	100.00

elc09a17: 8/9 - Teach 16g - Redrafts writing

	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	.	63.24	1.46	63.24	1.46
-9	-9	727.74	16.80	790.98	18.26
Not applicable	-1	14.14	0.33	805.12	18.59
Not yet	1	328.05	7.57	1133.16	26.16
Beginning	2	613.32	14.16	1746.48	40.33
In progress	3	1084.58	25.04	2831.06	65.37
Intermediate	4	1087.05	25.10	3918.11	90.47
Proficient	5	412.89	9.53	4331.00	100.00

elc09a18: 8/9 - Teach 16h - Makes editorial corrections

	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	.	60.85	1.40	60.85	1.40
-9	-9	727.74	16.80	788.59	18.21
Not applicable	-1	11.89	0.27	800.48	18.48
Not yet	1	300.09	6.93	1100.57	25.41
Beginning	2	708.82	16.37	1809.39	41.78
In progress	3	1065.50	24.60	2874.90	66.38
Intermediate	4	1083.76	25.02	3958.66	91.40
Proficient	5	372.34	8.60	4331.00	100.00

elc09a19: 8/9 - Teach 16i - Uses computer for variety of purposes

	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	.	68.66	1.59	68.66	1.59
-9	-9	727.74	16.80	796.40	18.39
Not applicable	-1	60.00	1.39	856.40	19.77
Not yet	1	84.18	1.94	940.58	21.72
Beginning	2	447.18	10.33	1387.75	32.04
In progress	3	827.90	19.12	2215.65	51.16
Intermediate	4	1345.65	31.07	3561.30	82.23
Proficient	5	769.70	17.77	4331.00	100.00

etlitbr: 8/9 - T/C - ARS language and literacy (v2 - Rasch modelled)

	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	849.58	19.62	849.58	19.62
1	26.70	0.62	876.28	20.23
2	379.33	8.76	1255.61	28.99
3	1253.32	28.94	2508.93	57.93
4	1550.49	35.80	4059.42	93.73
5	271.58	6.27	4331.00	100.00

etlitb: 8/9 - T/C - ARS language and literacy (v2)

	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	787.95	18.19	787.95	18.19
1	106.24	2.45	894.18	20.65
2	449.69	10.38	1343.88	31.03
3	816.38	18.85	2160.25	49.88

etlitb: 8/9 - T/C - ARS language and literacy (v2)

	Frequency	Percent	Cumulative Frequency	Cumulative Percent
4	1423.40	32.87	3583.65	82.74
5	747.35	17.26	4331.00	100.00

elc09b9: 8/9 - Teach 17a - Creates and extends patterns

	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	.	65.85	1.52	65.85	1.52
-9	-9	727.74	16.80	793.60	18.32
Not applicable	-1	11.12	0.26	804.71	18.58
Not yet	1	91.67	2.12	896.38	20.70
Beginning	2	309.06	7.14	1205.45	27.83
In progress	3	700.04	16.16	1905.49	44.00
Intermediate	4	1211.94	27.98	3117.43	71.98
Proficient	5	1213.57	28.02	4331.00	100.00

elc09b10: 8/9 - Teach 17b - Uses a variety of strategies for maths

	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	.	62.45	1.44	62.45	1.44
-9	-9	727.74	16.80	790.19	18.25
Not applicable	-1	12.95	0.30	803.15	18.54
Not yet	1	241.62	5.58	1044.76	24.12
Beginning	2	426.63	9.85	1471.39	33.97
In progress	3	901.92	20.82	2373.31	54.80
Intermediate	4	1138.93	26.30	3512.24	81.10
Proficient	5	818.76	18.90	4331.00	100.00

elc09b11: 8/9 - Teach 17c - Recognises shape properties/relationships

	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	.	69.48	1.60	69.48	1.60
-9	-9	727.74	16.80	797.22	18.41
Not applicable	-1	73.59	1.70	870.82	20.11
Not yet	1	125.34	2.89	996.16	23.00
Beginning	2	384.53	8.88	1380.68	31.88
In progress	3	842.18	19.45	2222.87	51.32
Intermediate	4	1284.47	29.66	3507.34	80.98
Proficient	5	823.66	19.02	4331.00	100.00

elc09b12: 8/9 - Teach 17d - Uses measurement tools accurately

	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	.	73.83	1.70	73.83	1.70
-9	-9	727.74	16.80	801.57	18.51
Not applicable	-1	27.58	0.64	829.15	19.14
Not yet	1	70.82	1.64	899.97	20.78
Beginning	2	399.45	9.22	1299.42	30.00
In progress	3	791.63	18.28	2091.05	48.28
Intermediate	4	1408.44	32.52	3499.49	80.80
Proficient	5	831.51	19.20	4331.00	100.00

elc09b13: 8/9 - Teach 17e - Understands place value with whole numbers

	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	.	64.39	1.49	64.39	1.49
-9	-9	727.74	16.80	792.14	18.29
Not applicable	-1	21.14	0.49	813.27	18.78
Not yet	1	113.68	2.62	926.95	21.40
Beginning	2	319.41	7.38	1246.37	28.78
In progress	3	688.31	15.89	1934.68	44.67
Intermediate	4	1106.41	25.55	3041.09	70.22
Proficient	5	1289.91	29.78	4331.00	100.00

elc09b14: 8/9 - Teach 17f - Estimates reasonably and checks

	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	.	72.93	1.68	72.93	1.68
-9	-9	727.74	16.80	800.67	18.49
Not applicable	-1	67.62	1.56	868.29	20.05
Not yet	1	221.92	5.12	1090.22	25.17
Beginning	2	453.50	10.47	1543.72	35.64
In progress	3	923.09	21.31	2466.81	56.96
Intermediate	4	1259.15	29.07	3725.96	86.03
Proficient	5	605.04	13.97	4331.00	100.00

elc09b15: 8/9 - Teach 17g - Organises data into graphs

	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	.	77.18	1.78	77.18	1.78
-9	-9	727.74	16.80	804.92	18.59
Not applicable	-1	80.23	1.85	885.15	20.44
Not yet	1	116.85	2.70	1002.01	23.14
Beginning	2	394.43	9.11	1396.44	32.24
In progress	3	802.38	18.53	2198.82	50.77
Intermediate	4	1357.27	31.34	3556.09	82.11
Proficient	5	774.91	17.89	4331.00	100.00

elc09b16: 8/9 - Teach 17h - Models/reads/writes/compares fractions

	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	.	82.14	1.90	82.14	1.90
-9	-9	727.74	16.80	809.89	18.70
Not applicable	-1	157.93	3.65	967.82	22.35
Not yet	1	257.46	5.94	1225.28	28.29
Beginning	2	566.67	13.08	1791.96	41.38
In progress	3	992.14	22.91	2784.10	64.28
Intermediate	4	1049.59	24.23	3833.68	88.52
Proficient	5	497.32	11.48	4331.00	100.00

elc09b17: 8/9 - Teach 17i - Divides 2 digits by 1 digit

	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	.	103.55	2.39	103.55	2.39
-9	-9	727.74	16.80	831.29	19.19
Not applicable	-1	182.88	4.22	1014.18	23.42
Not yet	1	427.78	9.88	1441.96	33.29
Beginning	2	620.22	14.32	2062.18	47.61
In progress	3	929.50	21.46	2991.68	69.08
Intermediate	4	857.83	19.81	3849.51	88.88
Proficient	5	481.49	11.12	4331.00	100.00

etmathbr: 8/9 - T/C - ARS math thinking (V2 - Rasch modelled)

	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	877.22	20.25	877.22	20.25
1	63.68	1.47	940.90	21.72
2	424.37	9.80	1365.27	31.52
3	1223.32	28.25	2588.59	59.77
4	1317.67	30.42	3906.26	90.19
5	424.74	9.81	4331.00	100.00

etmathb: 8/9 - T/C - ARS math thinking (V2)

	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	793.67	18.33	793.67	18.33
1	115.33	2.66	909.00	20.99
2	447.24	10.33	1356.24	31.31
3	910.90	21.03	2267.14	52.35
4	1355.15	31.29	3622.29	83.64
5	708.71	16.36	4331.00	100.00

elc08t1b: 8/9 - T/C - Teach 18a - Reading progress

	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	.	67.15	1.55	67.15	1.55
-9	-9	727.74	16.80	794.89	18.35
Far below average	1	174.61	4.03	969.50	22.39
Below average	2	655.77	15.14	1625.27	37.53
Average	3	1485.05	34.29	3110.32	71.82
Above average	4	1079.16	24.92	4189.48	96.73
Far above average	5	141.52	3.27	4331.00	100.00

elc08t2b: 8/9 - T/C - Teach 18b - Maths progress

	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	.	86.57	2.00	86.57	2.00
-9	-9	727.74	16.80	814.31	18.80
Far below average	1	139.30	3.22	953.61	22.02
Below average	2	551.13	12.73	1504.74	34.74
Average	3	1661.83	38.37	3166.57	73.11
Above average	4	1017.73	23.50	4184.31	96.61
Far above average	5	146.69	3.39	4331.00	100.00

elc08t3b: 8/9 - T/C - Teach 18c - Overall school achievement

	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	.	94.12	2.17	94.12	2.17
-9	-9	727.74	16.80	821.87	18.98
Far below average	1	137.93	3.18	959.80	22.16
Below average	2	521.79	12.05	1481.58	34.21
Average	3	1701.61	39.29	3183.19	73.50
Above average	4	1043.60	24.10	4226.79	97.59
Far above average	5	104.21	2.41	4331.00	100.00

elc10a1: 8/9 - Teach 22a - Keeps belongings organised

	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	.	59.74	1.38	59.74	1.38
-9	-9	727.74	16.80	787.48	18.18
No opportunity	-1	4.73	0.11	792.22	18.29
Never	1	151.29	3.49	943.51	21.79
Sometimes	2	885.43	20.44	1828.94	42.23
Often	3	884.73	20.43	2713.67	62.66
Very often	4	1617.33	37.34	4331.00	100.00

elc10a2: 8/9 - Teach 22b - Shows eagerness to learn new things

	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	.	59.75	1.38	59.75	1.38
-9	-9	727.74	16.80	787.50	18.18
No opportunity	-1	7.49	0.17	794.99	18.36
Never	1	43.04	0.99	838.03	19.35
Sometimes	2	662.56	15.30	1500.59	34.65
Often	3	948.38	21.90	2448.97	56.55
Very often	4	1882.03	43.45	4331.00	100.00

elc10a3: 8/9 - Teach 22c - Works independently

	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	.	55.82	1.29	55.82	1.29
-9	-9	727.74	16.80	783.57	18.09
No opportunity	-1	5.39	0.12	788.96	18.22
Never	1	61.23	1.41	850.19	19.63
Sometimes	2	786.22	18.15	1636.41	37.78
Often	3	942.74	21.77	2579.15	59.55
Very often	4	1751.85	40.45	4331.00	100.00

elc10a4: 8/9 - Teach 22d - Easily adapts to changes in routine

	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	.	58.96	1.36	58.96	1.36
-9	-9	727.74	16.80	786.71	18.16
No opportunity	-1	13.39	0.31	800.10	18.47
Never	1	48.31	1.12	848.40	19.59
Sometimes	2	599.96	13.85	1448.37	33.44

elc10a4: 8/9 - Teach 22d - Easily adapts to changes in routine

	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Often	3	1127.22	26.03	2575.59	59.47
Very often	4	1755.41	40.53	4331.00	100.00

elc10a5: 8/9 - Teach 22e - Persists in completing tasks

	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	.	62.22	1.44	62.22	1.44
-9	-9	727.74	16.80	789.96	18.24
No opportunity	-1	7.29	0.17	797.25	18.41
Never	1	117.45	2.71	914.70	21.12
Sometimes	2	822.63	18.99	1737.34	40.11
Often	3	970.44	22.41	2707.78	62.52
Very often	4	1623.22	37.48	4331.00	100.00

elc10a6: 8/9 - Teach 22f - Pays attention well

	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	.	56.84	1.31	56.84	1.31
-9	-9	727.74	16.80	784.58	18.12
No opportunity	-1	3.64	0.08	788.23	18.20
Never	1	85.21	1.97	873.44	20.17
Sometimes	2	959.40	22.15	1832.84	42.32
Often	3	987.58	22.80	2820.42	65.12
Very often	4	1510.58	34.88	4331.00	100.00

etappr: 8/9 - T/C - Child's approach to learning

	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	783.57	18.09	783.57	18.09
1	19.88	0.46	803.45	18.55
2	649.09	14.99	1452.54	33.54
3	1181.85	27.29	2634.39	60.83
4	1696.61	39.17	4331.00	100.00