



# PAT Early Years

Reference groups



## Contents

Background .....	1
<b>PAT Early Years Maths .....</b>	<b>1</b>
Start Foundation reference groups . . . . .	1
Mid-Foundation reference groups .....	2
Mid-Year 1 reference groups .....	2
End Year 1 reference groups .....	3
Student achievement .....	4
<b>PAT Early Years Reading .....</b>	<b>10</b>
Start Foundation reference groups .....	10
Mid-Foundation reference groups . . . . .	10
Mid-Year 1 reference groups . . . . .	11
End Year 1 reference groups . . . . .	12
Student achievement . . . . .	12
<b>Appendix .....</b>	<b>18</b>

## Background

The PAT Early Years assessments are targeted to students in the first two years of formal schooling, referred to here as Foundation and Year 1. Each assessment comprises four tests intended for four stages within these first two years: Start Foundation, Mid-Foundation, Mid-Year 1 and End Year 1. These names are not prescriptive of when each must be administered, but instead indicate the relative complexity and types of skills assessed by each test. The reference groups in this report account both for the different tests and for the time of year each test was administered to students.

They are composed of Australian students in Foundation or Year 1 who completed PAT Early Years assessments between May 2016 and April 2019.

In 2021, the performance of the reference groups was tested, using data collected from Australian students in Foundation and Year 1 during 2020. Despite some differences in the demographic composition and size of the groups used for this verification, not least due to school closures during the COVID-19 global pandemic, the results were similar and confirmed that the reference groups provide a stable and reliable comparison of performance for Foundation and Year 1 students in Reading and Mathematics at the beginning, middle and end of those years of school.

## PAT Early Years Maths

### Start Foundation reference groups

Data for the PAT Early Years Maths Start Foundation test were collected between March 2017 and April 2019. Cases were included where students were in the Foundation year, and were aged between four and seven years old at the time of testing. Two reference groups are provided for this test, the first comprising students who completed the test in the first quarter of their Foundation year (January–March); the second comprising students who completed the test in the second quarter of their Foundation year (April–June).

The samples are self-selecting and the students present in the reference groups for this test are not representative of the Australian population as a whole. (See Appendix for a comparison of the reference group distributions with the Australian population.)

The distribution of cases in each of the reference groups by state/territory is given in Table 1.

**Table 1** Distribution of reference groups for PAT Early Years Maths Start Foundation by state/territory and testing dates

State/Territory	January–March		April–June	
	Students	%	Students	%
Australian Capital Territory	366	5.5%	198	4.6%
New South Wales	800	11.9%	727	16.8%
Northern Territory	13	0.2%	48	1.1%
Queensland	1200	17.9%	279	6.4%
South Australia	554	8.3%	49	1.1%
Tasmania	44	0.7%	44	1.0%
Victoria	3140	46.8%	2722	62.8%
Western Australia	597	8.9%	266	6.1%
<b>Total</b>	<b>6714</b>	<b>100.0%</b>	<b>4333</b>	<b>100.0%</b>

## Mid-Foundation reference groups

Data for the PAT Early Years Maths Mid-Foundation test were collected between May 2016 and April 2019. Cases were included where students were in the Foundation Year, and were aged between four and seven years old at the time of testing. Two reference groups are provided for this test, the first comprising students who completed the test at the start of the third quarter of their Foundation year (July–September); the second comprising students who completed the test in the last quarter of their Foundation year (October–December).

The samples are self-selecting and the students present in the reference groups for this test are not representative of the Australian population as a whole. (See Appendix for a comparison of the reference group distributions with the Australian population.)

The distribution of cases in each of the reference groups by state/territory is given in Table 2.

**Table 2** Distribution of reference groups for PAT Early Years Maths Mid-Foundation by state/territory and testing dates

State/Territory	July–September		October–December	
	Students	%	Students	%
Australian Capital Territory	349	4.8%	341	1.1%
New South Wales	1008	14.0%	4057	12.9%
Northern Territory	0	0.0%	126	0.4%
Queensland	913	12.7%	2118	6.7%
South Australia	218	3.0%	494	1.6%
Tasmania	139	1.9%	814	2.6%
Victoria	3501	48.6%	20 336	64.6%
Western Australia	1079	15.0%	3186	10.1%
<b>Total</b>	<b>7207</b>	<b>100.0%</b>	<b>31 472</b>	<b>100.0%</b>

## Mid-Year 1 reference groups

Data for the PAT Early Years Maths Mid-Year 1 test were collected between May 2016 and April 2019. Cases were included where students were in Year 1, and were aged between five and eight years old at the time of testing. Two reference groups are provided for this test, the first comprising students who completed the test in the first quarter of Year 1 (January–March); and the second comprising students who completed the test in the second quarter of Year 1 (April–June).

As for the other test reference groups, the samples are self-selecting and are not representative of the Australian population as a whole. (See Appendix for a comparison of the reference group distributions with the Australian population.)

The distribution of cases in each of the reference groups by state/territory is given in Table 3 (page 3).

**Table 3** Distribution of reference groups for PAT Early Years Maths Mid-Year 1 by state/territory and testing dates

State/Territory	January–March		April–June	
	Students	%	Students	%
Australian Capital Territory	241	4.7%	277	2.2%
New South Wales	967	19.0%	1246	9.9%
Northern Territory	10	0.2%	10	0.1%
Queensland	626	12.3%	1533	12.2%
South Australia	139	2.7%	79	0.6%
Tasmania	25	0.5%	543	4.3%
Victoria	1989	39.0%	7455	59.5%
Western Australia	1099	21.6%	1386	11.1%
<b>Total</b>	<b>5096</b>	<b>100.0%</b>	<b>12 529</b>	<b>100.0%</b>

## End Year 1 reference groups

Data for the PAT Early Years Maths End Year 1 test were collected between September 2017 and April 2019. Cases were included where students were in Year 1, and were aged between five and eight years old at the time of testing. Two reference groups are provided for this test, the first comprising students who completed the test in the third quarter of Year 1 (July–September); and the second comprising students who completed the test in the last quarter of Year 1 (October–December).

As for the other test reference groups, the samples are self-selecting and are not representative of the Australian population. (See Appendix for a comparison of the reference group distributions with the Australian population.)

The distribution of cases in each of the reference groups by state/territory is given in Table 4.

**Table 4** Distribution of reference groups for PAT Early Years Maths End Year 1 by state/territory and testing dates

State/Territory	July–September		October–December	
	Students	%	Students	%
Australian Capital Territory	0	0.0%	327	1.6%
New South Wales	87	7.5%	3048	14.7%
Northern Territory	0	0.0%	59	0.3%
Queensland	140	12.1%	2184	10.6%
South Australia	85	7.3%	358	1.7%
Tasmania	2	0.2%	1326	6.4%
Victoria	593	51.3%	10 439	50.4%
Western Australia	250	21.6%	2953	14.3%
<b>Total</b>	<b>1157</b>	<b>100.0%</b>	<b>20 694</b>	<b>100.0%</b>

## Student achievement

From each reference group sample, the scale score averages and standard deviations were calculated and the set of percentile ranks for each group determined.

Tables 5 to 8 show the mean scale score achievement of the PAT Early Years Maths reference groups, along with the standard deviation of each group's PAT scale scores.

**Table 5** PAT Early Years Maths Start Foundation achievement statistics by reference group

	January–March	April–June
<b>Students</b>	6714	4333
<b>Mean scale score (patm)</b>	80.4	84.0
<b>Standard deviation</b>	11.6	12.6

**Table 6** PAT Early Years Maths Mid-Foundation achievement statistics by reference group

	July–September	October–December
<b>Students</b>	7207	31 472
<b>Mean scale score (patm)</b>	89.5	92.4
<b>Standard deviation</b>	9.8	10.1

**Table 7** PAT Early Years Maths Mid-Year 1 achievement statistics by reference group

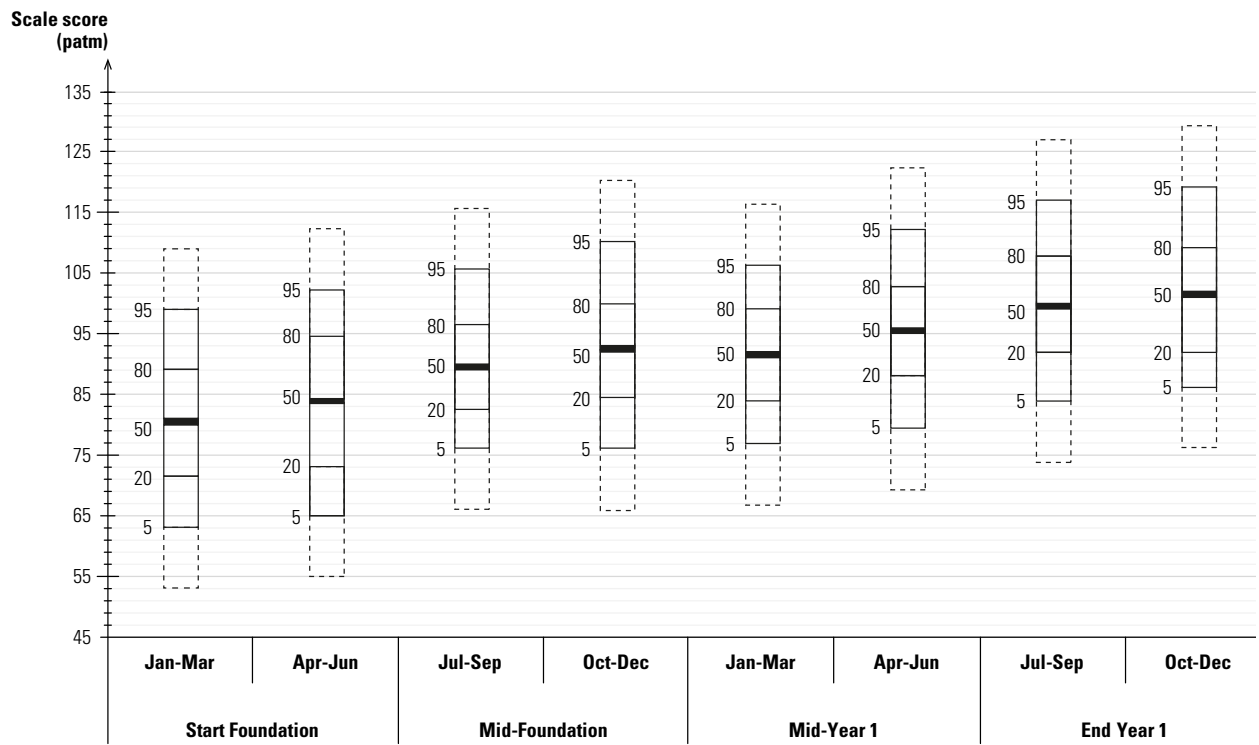
	January–March	April–June
<b>Students</b>	5096	12 529
<b>Mean scale score (patm)</b>	91.5	95.3
<b>Standard deviation</b>	9.2	10.4

**Table 8** PAT Early Years Maths End Year 1 achievement statistics by reference group

	July–September	October–December
<b>Students</b>	1157	20 694
<b>Mean scale score (patm)</b>	99.4	101.4
<b>Standard deviation</b>	10.2	10.8

Tables 9 to 12 (pages 6–9) show the equivalent stanine and percentile ranking scores for each reference group according to students' raw scores on the PAT Early Years Maths assessments.

**Figure 1** PAT Early Years Maths student achievement by reference group



Data collected from tests completed in ACER's online assessment and reporting system, May 2016 – April 2019.

**Table 9 Start Foundation score conversion table**

*PAT Early Years Maths*

Test raw score	Scale score (patm)	Error (patm)	January–March		April–June		
			Percentile	Stanine	Percentile	Stanine	
30	119.9	>8.9	99	9	99	9	
29	108.1	8.9			98		
28	102.1	7.1	95	8	95	8	
27	97.8	6.2	94		90		
26	94.5	5.6	91		84		7
25	91.7	5.2	86	7	76	6	
24	89.2	4.9	81		69		
23	87.0	4.7	75	6	62		5
22	84.9	4.5	69		55		
21	83.0	4.3	63		49		
20	81.2	4.2	57	5	43	4	
19	79.5	4.2	50		38		
18	77.9	4.1	44		33		
17	76.2	4.0	39	4	28	3	
16	74.7	4.0	34		24		
15	73.1	4.0	29		20		
14	71.5	4.0	24	3	16	2	
13	69.9	4.0	19		13		
12	68.3	4.1	15		11		
11	66.7	4.1	12	2	8	1	
10	65.0	4.2	8		6		
9	63.3	4.3	6	1	4		1
8	61.4	4.4	4		3		
7	59.4	4.6	3		2		
6	57.2	4.8	2	1	1	1	
5	54.8	5.1	1				1
4	52.0	5.5					
3	48.8	6.1					
2	44.6	7.1	1	1	1		
1	38.7	8.9					
0	26.8	>8.9					



**Table 10 Mid-Foundation score conversion table**

*PAT Early Years Maths*

Test raw score	Scale score (patm)	Error (patm)	July–September		October–December	
			Percentile	Stanine	Percentile	Stanine
30	137.8	>8.8				
29	126.0	8.8				
28	120.1	7.0	99	9	99	9
27	116.0	6.1				
26	112.8	5.5				
25	110.1	5.1				
24	107.7	4.8	98		98	8
23	105.5	4.6	97		96	
22	103.5	4.5	95	8	94	7
21	101.6	4.4	94			
20	99.8	4.3	92	7	89	6
19	98.0	4.2	89			
18	96.3	4.2	85	6	81	5
17	94.7	4.1	81			
16	93.0	4.1	76	5	70	4
15	91.3	4.1	70			
14	89.7	4.2	63	4	57	3
13	88.0	4.2	55			
12	86.2	4.3	47	3	43	2
11	84.4	4.3	39			
10	82.5	4.4	31	2	28	1
9	80.5	4.6	23			
8	78.4	4.7	17	1	16	1
7	76.1	4.9	11			
6	73.7	5.2	7	1	8	1
5	70.9	5.5	4			
4	67.8	5.9	3	1	3	1
3	64.1	6.5				
2	59.4	7.4	1		1	
1	53.0	9.3				
0	40.6	>9.3				

**Table 11 Mid-Year 1 score conversion table**

*PAT Early Years Maths*

Test raw score	Scale score (patm)	Error (patm)	January–March		April–June	
			Percentile	Stanine	Percentile	Stanine
30	144.3	>8.8	99	9	99	9
29	132.6	8.8				
28	126.8	7.0				
27	122.8	6.1				
26	119.5	5.6				
25	116.8	5.2				
24	114.3	4.9				
23	112.1	4.7	98	8	95	
22	110.0	4.6	97		93	
21	108.1	4.4	96		90	
20	106.2	4.4	95	8	87	7
19	104.4	4.3	93		84	
18	102.6	4.3	91		80	
17	100.8	4.2	88	7	75	6
16	99.1	4.2	84		69	
15	97.3	4.2	79		63	
14	95.5	4.3	73	6	56	5
13	93.8	4.3	66		48	
12	91.9	4.3	58	5	40	4
11	90.1	4.4	48		32	
10	88.1	4.5	38	4	25	
9	86.1	4.6	29		19	
8	84.0	4.7	21	3	13	2
7	81.8	4.9	14		9	
6	79.4	5.1	9	2	6	
5	76.8	5.3	6		3	
4	73.9	5.7	3	1	2	
3	70.4	6.3	1		1	1
2	66.2	7.2				
1	60.2	9.0				
0	48.3	>9.0				

**Table 12 End Year 1 score conversion table**

*PAT Early Years Maths*

Test raw score	Scale score (patm)	Error (patm)	July–September		October–December		
			Percentile	Stanine	Percentile	Stanine	
30	146.3	>8.7	99	9	99	9	
29	134.7	8.7					
28	129.0	7.0					
27	125.0	6.0					
26	121.8	5.5					
25	119.2	5.1	98	97	95	8	
24	116.8	4.8	95	93			
23	114.7	4.6	93	91	87		7
22	112.8	4.4	92	84			
21	111.0	4.3	88	7	80		6
20	109.3	4.2	85		76		
19	107.6	4.1	82		71		
18	106.0	4.0	78	6	65	5	
17	104.4	4.0	73		60		
16	102.9	4.0	69		54		
15	101.4	3.9	63	5	49		4
14	99.9	3.9	57		43		
13	98.3	4.0	51	4	37	3	
12	96.8	4.0	44		31		
11	95.2	4.0	36		25		
10	93.6	4.1	30	3	20		2
9	91.9	4.2	23		15		
8	90.1	4.3	17	2	10	1	
7	88.3	4.5	13		7		
6	86.2	4.7	8		4		
5	83.9	5.0	6	1	2		1
4	81.3	5.4	3		1		
3	78.3	6.0	1			1	
2	74.4	6.9					
1	68.7	8.7					
0	57.2	>8.7					

# PAT Early Years Reading

## Start Foundation reference groups

Data for the PAT Early Years Reading Start Foundation test were collected between March 2017 and April 2019. Cases were included where students were in the Foundation year, and were aged between four and seven years old at the time of testing. Two reference groups are provided for this test, the first comprising students who completed the test in the first quarter of their Foundation year (January–March); the second comprising students who completed the test in the second quarter of their Foundation year (April–June).

The samples are self-selecting and the students present in the reference groups for this test are not representative of the Australian population as a whole. (See Appendix for a comparison of the reference group distributions with the Australian population.)

The distribution of cases in each of the reference groups by state/territory is given in Table 13.

**Table 13** Distribution of reference groups for PAT Early Years Reading Start Foundation by state/territory and testing dates

State/Territory	January–March		April–June	
	Students	%	Students	%
<b>Australian Capital Territory</b>	174	3.2%	46	1.4%
<b>New South Wales</b>	1027	18.6%	440	13.1%
<b>Northern Territory</b>	33	0.6%	257	7.6%
<b>Queensland</b>	1267	23.0%	229	6.8%
<b>South Australia</b>	470	8.5%	52	1.5%
<b>Tasmania</b>	50	0.9%	35	1.0%
<b>Victoria</b>	1944	35.2%	2104	62.6%
<b>Western Australia</b>	551	10.0%	197	5.9%
<b>Total</b>	5516	100.0%	3360	100.0%

## Mid-Foundation reference groups

Data for the PAT Early Years Reading Mid-Foundation test were collected between May 2016 and April 2019. Cases were included where students were in the Foundation year, and were aged between four and seven years old at the time of testing. Two reference groups are provided for this test, the first comprising students who completed the test at the start of the third quarter of their Foundation year (July–September); the second comprising students who completed the test in the last quarter of their Foundation year (October–December).

The samples are self-selecting and the students present in the reference groups for this test are not representative of the Australian population as a whole. (See Appendix for a comparison of the reference group distributions with the Australian population.)

The distribution of cases in each of the reference groups by state/territory is given in Table 14 (page 11).

**Table 14** Distribution of reference groups for PAT Early Years Reading Mid-Foundation by state/territory and testing dates

State/Territory	July–September		October–December	
	Students	%	Students	%
<b>Australian Capital Territory</b>	341	4.5%	256	0.9%
<b>New South Wales</b>	1266	16.6%	4427	15.2%
<b>Northern Territory</b>	65	0.9%	128	0.4%
<b>Queensland</b>	1313	17.2%	2356	8.1%
<b>South Australia</b>	197	2.6%	409	1.4%
<b>Tasmania</b>	155	2.0%	751	2.6%
<b>Victoria</b>	2921	38.2%	17 707	60.8%
<b>Western Australia</b>	1387	18.1%	3066	10.5%
<b>Total</b>	7645	100.0%	29 100	100.0%

## Mid-Year 1 reference groups

Data for the PAT Early Years Reading Mid-Year 1 test were collected between May 2016 and April 2019. Cases were included where students were in Year 1, and were aged between five and eight years old at the time of testing. Two reference groups are provided for this test, the first comprising students who completed the test in the first quarter of Year 1 (January–March); the second comprising students who completed the test in the second quarter of Year 1 (April–June).

As for the other test reference groups, the samples are self-selecting and are not representative of the Australian population as a whole. (See Appendix for a comparison of the reference group distributions with the Australian population.)

The distribution of cases in each of the reference groups by state/territory is given in Table 15.

**Table 15** Distribution of reference groups for PAT Early Years Reading Mid-Year 1 by state/territory and testing dates

State/Territory	January–March		April–June	
	Students	%	Students	%
<b>Australian Capital Territory</b>	7	0.2%	159	1.7%
<b>New South Wales</b>	597	21.1%	1292	14.0%
<b>Northern Territory</b>	11	0.4%	0	0.0%
<b>Queensland</b>	443	15.7%	1789	19.4%
<b>South Australia</b>	135	4.8%	103	1.1%
<b>Tasmania</b>	15	0.5%	380	4.1%
<b>Victoria</b>	1250	44.2%	4690	51.0%
<b>Western Australia</b>	371	13.1%	791	8.6%
<b>Total</b>	2829	100.0%	9204	100.0%

## End Year 1 reference groups

Data for the PAT Early Years Reading End Year 1 test were collected between September 2017 and April 2019. Cases were included where students were in Year 1, and were aged between five and eight years old at the time of testing. Two reference groups are provided for this test, the first comprising students who completed the test in the third quarter of Year 1 (July–September); and the second comprising students who completed the test in the last quarter of Year 1 (October–December).

As for the other test reference groups, the samples are self-selecting and are not representative of the Australian population as a whole. (See Appendix for a comparison of the reference group distributions with the Australian population.)

The distribution of cases in each of the reference groups by state/territory is given in Table 16.

**Table 16** Distribution of reference groups for PAT Early Years Reading End Year 1 by state/territory and testing dates

State/Territory	July–September		October–December	
	Students	%	Students	%
Australian Capital Territory	0	0.0%	359	1.0%
New South Wales	558	18.0%	6861	19.1%
Northern Territory	0	0.0%	60	0.2%
Queensland	873	28.2%	4093	11.4%
South Australia	79	2.6%	649	1.8%
Tasmania	86	2.8%	3530	9.9%
Victoria	639	20.6%	14 975	41.8%
Western Australia	862	27.8%	5306	14.8%
<b>Total</b>	<b>3097</b>	<b>100.0%</b>	<b>35 833</b>	<b>100.0%</b>

## Student achievement

From each reference group sample, the scale score averages and standard deviations were calculated and the set of percentile ranks for each group determined.

Tables 17 to 20 show the mean scale score achievement of the PAT Early Years Reading reference groups, along with the standard deviation of each group's PAT scale scores.

**Table 17** PAT Early Years Reading Start Foundation achievement statistics by reference group

	January–March	April–June
<b>Students</b>	5516	3360
<b>Mean scale score (patc)</b>	65.0	67.3
<b>Standard deviation</b>	10.8	11.4

**Table 18** PAT Early Years Reading Mid-Foundation achievement statistics by reference group

	July–September	October–December
<b>Students</b>	7645	29 100
<b>Mean scale score (patc)</b>	74.6	76.0
<b>Standard deviation</b>	11.4	11.8

**Table 19** PAT Early Years Reading Mid-Year 1 achievement statistics by reference group

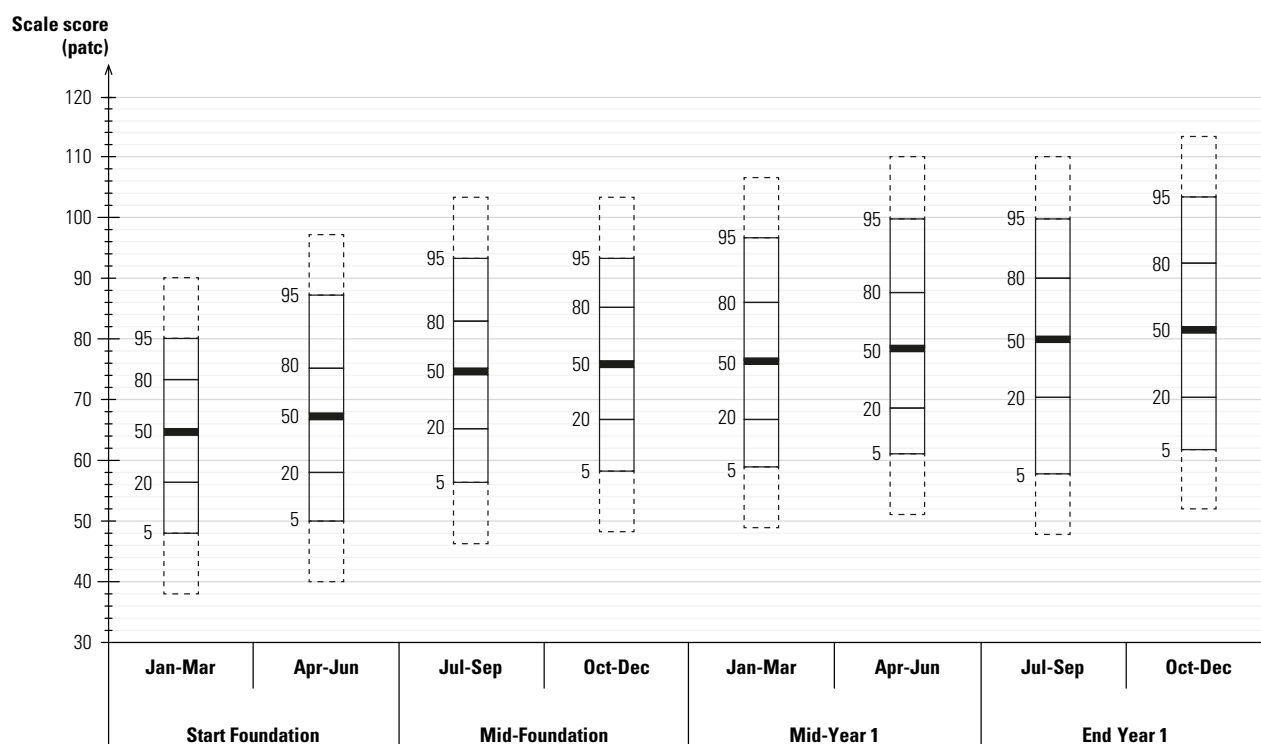
	January–March	April–June
<b>Students</b>	2829	9204
<b>Mean scale score (patc)</b>	76.4	78.3
<b>Standard deviation</b>	11.6	12.3

**Table 20** PAT Early Years Reading End Year 1 achievement statistics by reference group

	July–September	October–December
<b>Students</b>	3097	35833
<b>Mean scale score (patc)</b>	79.9	81.6
<b>Standard deviation</b>	13.2	13.3

Tables 21 to 24 (pages 14–17) show the equivalent stanine and percentile ranking scores for each reference group according to students’ raw scores on the PAT Early Years Reading assessments.

**Figure 2** PAT Early Years Reading student achievement by reference group



Data collected from tests completed in ACER’s online assessment and reporting system, May 2016 – April 2019.

**Table 21 Start Foundation score conversion table**

*PAT Early Years Reading*

Test raw score	Scale score (patc)	Error (patc)	January–March		April–June	
			Percentile	Stanine	Percentile	Stanine
30	104.9	>8.8	99	9	99	9
29	93.2	8.8			98	
28	87.5	7.0	97			
27	83.5	6.0	95	8	94	8
26	80.3	5.5	91		91	
25	77.7	5.1	87	7	86	7
24	75.3	4.8	83		80	
23	73.2	4.6	76	6	73	6
22	71.2	4.4	70		67	
21	69.4	4.3	64		59	
20	67.6	4.2	57	5	53	5
19	65.9	4.1	50		47	
18	64.3	4.1	43		41	
17	62.7	4.0	37	4	35	4
16	61.1	4.0	31		31	
15	59.6	4.0	25		26	
14	58.0	4.0	21	3	22	3
13	56.4	4.0	16		17	
12	54.9	4.1	13		13	
11	53.2	4.1	10	2	10	2
10	51.6	4.2	7		8	
9	49.8	4.3	5		6	
8	48.0	4.4	4	1	4	1
7	46.1	4.5	2		3	
6	44.0	4.8	1		2	
5	41.7	5.0	1	1	1	1
4	39.1	5.4				
3	36.0	6.0				
2	32.0	6.9				
1	26.3	8.7				
0	14.8	>8.7				



**Table 22 Mid-Foundation score conversion table**

*PAT Early Years Reading*

Test raw score	Scale score (patc)	Error (patc)	July–September		October–December	
			Percentile	Stanine	Percentile	Stanine
30	114.9	>8.8	99	9	99	9
29	103.2	8.8			98	
28	97.4	7.0	96			
27	93.4	6.0	93	8	95	8
26	90.2	5.5	90		91	
25	87.6	5.1	86	7	88	7
24	85.2	4.8	82		83	
23	83.1	4.5	77	6	78	6
22	81.2	4.4	71		72	
21	79.4	4.2	65	5	66	5
20	77.7	4.2	59		59	
19	76.0	4.1	53	4	47	4
18	74.4	4.0	47		41	
17	72.9	4.0	40	3	35	3
16	71.3	4.0	34		30	
15	69.8	4.0	30	2	25	2
14	68.3	4.0	24		20	
13	66.7	4.0	20	1	17	1
12	65.2	4.0	15		13	
11	63.5	4.1	12	1	10	1
10	61.9	4.2	9		8	
9	60.1	4.3	7	1	6	1
8	58.3	4.4	5		4	
7	56.3	4.6	3	1	3	1
6	54.2	4.8	2		2	
5	51.8	5.1	1	1	1	1
4	49.0	5.5				
3	45.8	6.1				
2	41.7	7.0				
1	35.8	8.9				
0	24.0	>8.9				

**Table 23 Mid-Year 1 score conversion table**

*PAT Early Years Reading*

Test raw score	Scale score (patc)	Error (patc)	January–March		April–June	
			Percentile	Stanine	Percentile	Stanine
30	121.3	>8.7	99	9	99	9
29	109.7	8.7			98	
28	104.0	6.9	98	8	98	8
27	100.0	6.0			96	
26	96.9	5.4	96	8	94	8
25	94.2	5.1	94		92	
24	91.9	4.8	92	7	89	7
23	89.8	4.6	89		85	
22	87.8	4.4	85	7	82	7
21	86.0	4.3	83		77	
20	84.3	4.2	79	6	73	6
19	82.6	4.1	75		68	
18	81.0	4.0	71	6	63	6
17	79.5	4.0	67		58	
16	77.9	4.0	61	5	53	5
15	76.4	4.0	55		47	
14	74.9	4.0	49	5	41	5
13	73.3	4.0	43		36	
12	71.8	4.0	36	4	31	4
11	70.2	4.1	30		25	
10	68.6	4.1	25	4	20	4
9	66.8	4.2	20		16	
8	65.1	4.4	16	3	13	3
7	63.1	4.5	12		9	
6	61.1	4.7	8	2	6	2
5	58.8	5.0	6		4	
4	56.1	5.4	4	1	3	1
3	53.0	6.0	2		2	
2	49.1	6.9	1	1	1	1
1	43.4	8.7				
0	31.8	>8.7	1	1		

**Table 24 End Year 1 score conversion table**

*PAT Early Years Reading*

Test raw score	Scale score (patc)	Error (patc)	July–September		October–December	
			Percentile	Stanine	Percentile	Stanine
24	125.5	>8.9	99	9	99	9
23	113.7	8.9			98	
22	107.8	7.1			97	
21	103.6	6.2	95	8	96	8
20	100.2	5.7	92		93	
19	97.4	5.3	88	7	89	7
18	94.8	5.0	85		85	
17	92.5	4.8	80		81	
16	90.3	4.7	76	6	77	6
15	88.3	4.6	71		72	
14	86.3	4.5	66		67	
13	84.3	4.4	62	5	62	5
12	82.5	4.4	56		57	
11	80.6	4.4	51		52	
10	78.7	4.5	45	4	46	4
9	76.7	4.5	39		40	
8	74.7	4.6	33	3	34	3
7	72.6	4.7	26		28	
6	70.4	4.9	19	2	22	2
5	67.9	5.2	13		16	
4	65.1	5.6	8	1	11	1
3	61.9	6.1	5		6	
2	57.8	7.0	2	1	3	1
1	52.0	8.8	1		1	
0	40.3	>8.8	1	1	1	1

## Appendix

**Table 22** ABS 4221.0 Schools, Australia, 2018, Table 43a: FTE Students by State

State/Territory	Foundation		Year 1	
	Students	%	Students	%
<b>New South Wales</b>	1 228 660.0	32.5%	1 206 654.5	32.2%
<b>Victoria</b>	934 817.1	24.8%	911 904.4	24.3%
<b>Queensland</b>	730 318.9	19.3%	779 702.1	20.8%
<b>South Australia</b>	280 600.6	7.4%	253 010.0	6.8%
<b>Western Australia</b>	406 815.3	10.8%	404 528.2	10.8%
<b>Tasmania</b>	81 952.7	2.2%	82 243.3	2.2%
<b>Northern Territory</b>	46 550.5	1.2%	45 744.9	1.2%
<b>Australian Capital Territory</b>	66 173.4	1.8%	64 706.1	1.7%
<b>Total</b>	3 775 888.5	100.00%	3 748 493.5	100.00%