



Grant's Braes School

137 Belford Street
Waverley
Dunedin 9013

Ph /Fax 454-4717
Email office@grantsbraes.school.nz
www.grantsbraes.school.nz

P.A.T Maths	Date: 13/5/13	Level: Yr 4 - 6	Subject area: Mathematics
--------------------	----------------------	------------------------	--------------------------------------

Prepared by: Sara Carr

Rational/ Explanation: Math PAT data is collected to give us a comparison with Numeracy GLOSS data. By looking at the childrens' scores in PAT math it identifies how our children are going overall in math. This includes the strand topics geometry, statistics, algebra and measurement.

Key: These graphs are broken up into stanines. These tables show the number of children at each stanine.

The grey area shows the national norms for this test.

School Expectation is

Stanine 1, 2, 3 and 4 are considered below,

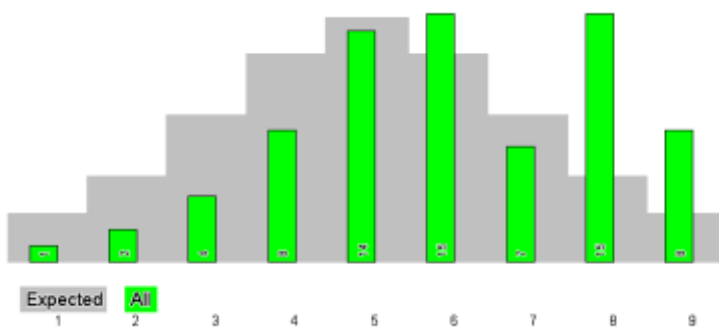
Stanine 5 and 6 are considered at.

Stanine 7 and 8 are considered above.

Stanine 9 is considered well above

(Of note the makers of the PAT test consider stanine 4 - 6 to be the average band)

Overall data 2014



Below	AT	Above
15	29	30
20%	40%	40%

Analysis

- This graph indicates that our scores are well above national norms over the last year.
- Overall we have less children working below than the national norms
- Overall we have more children working well above the national norms.

Evaluation

This year we reinstated using the PAT math test as we felt we needed another summative assessment to help us when making our OTJs for national standards. We feel that this one gives us a good overall picture of how our children are performing, especially in the strand areas of math. We also use the eastTtle math test, but this is used as a diagnostic tool before a topic to inform our teaching and next steps and therefore not a tool we use to report on.

This is a written test and children need a certain level of reading and comprehension ability to complete this, therefore the PAT math data is also compared against reading and listening comprehension data so children appearing in all 3 assessments as below are receiving comprehension support this term.

Year 3 2013 No Comparative Data	Year 4 2014 <table border="1"> <tr> <td>Below</td> <td>AT</td> <td>Above</td> </tr> <tr> <td>7</td> <td>8</td> <td>7</td> </tr> <tr> <td>32%</td> <td>36%</td> <td>32%</td> </tr> </table>	Below	AT	Above	7	8	7	32%	36%	32%
Below	AT	Above								
7	8	7								
32%	36%	32%								
Year 4 2013 No Comparative Data	Year 5 2014 <table border="1"> <tr> <td>Below</td> <td>AT</td> <td>Above</td> </tr> <tr> <td>3</td> <td>10</td> <td>8</td> </tr> <tr> <td>15%</td> <td>48%</td> <td>37%</td> </tr> </table>	Below	AT	Above	3	10	8	15%	48%	37%
Below	AT	Above								
3	10	8								
15%	48%	37%								
Year 5 2013 No Comparative Data	Year 6 2014 <table border="1"> <tr> <td>Below</td> <td>AT</td> <td>Above</td> </tr> <tr> <td>5</td> <td>11</td> <td>24</td> </tr> <tr> <td>12%</td> <td>28%</td> <td>60%</td> </tr> </table>	Below	AT	Above	5	11	24	12%	28%	60%
Below	AT	Above								
5	11	24								
12%	28%	60%								

Analysis/Evaluation

- The PAT Math test had been used up until 2011 but because it has not been used in the last few years there is no previous data to compare against for this report.
- Of note there are more Year 6s working in the above category than at and below combined.
- The Year 4 group have a very even spread with a third in each of the 3 categories, below, at, above
- They have the largest percentage of children in the below category and the smallest group of children in the above.
- The Year 6 group has the largest group of children working in the above category.

Maori and Pacifica data

Analysis/Evaluation

Maori and Pacifica data has been excluded from this published report due to possible identification of students.

Gender data

Gender										
2014 Mathematics Maths Test 3: Y5,Y6,Y7 2014 Mathematics Maths Test 2: Y4,Y5,Y6 2014 Mathematics Maths Test 1: Y4,Y5,Y6										
Graph key	1	2	3	4	5	6	7	8	9	Average stanine
Female	3%(1)		9%(3)	11%(4)	26%(9)	23%(8)	9%(3)	14%(5)	6%(2)	5.66
Male		5%(2)	3%(1)	10%(4)	13%(5)	18%(7)	10%(4)	26%(10)	15%(6)	6.46
#Pupils	1%(1)	3%(2)	5%(4)	11%(8)	19%(14)	20%(15)	9%(7)	20%(15)	11%(8)	(74)
National norms	Low 4%	Below average 19%		Average 54%			Above average 19%		Outstanding 4%	
Percentage for these pupils	1%	8%		50%			29%		11%	

Analysis/Evaluation

- There are a similar number of boys and girls working in the below category.
- Overall the boys are outscoring the girls in this area with a higher average stanine.