



Rancho Santiago Community College District  
**Math Department Validation of Proposed MDTP  
Cut-Scores for N05**

Compiled by the RSCCD Research Department  
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**Summary**

- In the semesters from Spring 2001 through Fall 2003, 2073 students enrolled in Math N06.
- Of those 2073 students, 36% were successful (A,B,C,CR), 17% were unsuccessful (D,F,NC), 20% did not complete the class (W,I,IP), and 27% dropped the class and did not receive a grade (EA, NS).

Classification tables were created for course success at the recommended cut-score of 11, as well as 2 points on either side (9, 10, 12, and 13). The base rate was calculated at 67.5%.

- **At the proposed cut-score of 11, correct predictions=65.9% (6.1% placement error)**
- At the possible cut-score of 10, correct predictions=66.5% (4.1% placement error)
- At the possible cut-score of 9, correct predictions=66.8% (2.7% placement error)
- At the possible cut-score of 12, correct predictions=64.9% (8.7% placement error)
- At the possible cut-score of 13, correct predictions=62.6% (13% placement error)

Test score overall final course grade distributions, test score frequency distributions, and classification tables at several possible cut-score intervals are included in this report.

<b>Math N05 and N06 Final Course Grades, Spring 2001 through Fall 2002</b>					
			<b>COURSE</b>		<b>Total</b>
			<b>N05</b>	<b>N06</b>	
<b>FINAL</b>	<b>no grade</b>	<b>Count</b>	283	552	835
		<b>% within COURSE</b>	23.1%	26.6%	25.3%
	<b>A</b>	<b>Count</b>		208	208
		<b>% within COURSE</b>		10.0%	6.3%
	<b>B</b>	<b>Count</b>		280	280
		<b>% within COURSE</b>		13.5%	8.5%
	<b>C</b>	<b>Count</b>		253	253
		<b>% within COURSE</b>		12.2%	7.7%
	<b>D</b>	<b>Count</b>		125	125
		<b>% within COURSE</b>		6.0%	3.8%
	<b>F</b>	<b>Count</b>		235	235
		<b>% within COURSE</b>		11.3%	7.1%
	<b>I</b>	<b>Count</b>		2	2
		<b>% within COURSE</b>		.1%	.1%
	<b>W</b>	<b>Count</b>	128	410	538
		<b>% within COURSE</b>	10.4%	19.8%	16.3%
	<b>CR</b>	<b>Count</b>	618	8	626
		<b>% within COURSE</b>	50.4%	.4%	19.0%
	<b>NC</b>	<b>Count</b>	196		196
		<b>% within COURSE</b>	16.0%		5.9%
<b>Total</b>	<b>Count</b>	1225	2073	3298	
	<b>% within COURSE</b>	100.0%	100.0%	100.0%	

<b>Math N05 and N06 Course Success (Spring 2001 through Fall 2002)</b>					
			<b>COURSE</b>		<b>Total</b>
			<b>Math N05</b>	<b>Math N06</b>	
<b>SUCCESS</b>	<b>A,B,C,Cr</b>	<b>Count</b>	618	749	1367
		<b>% within COURSE</b>	50.4%	36.1%	41.4%
	<b>D,F,NC</b>	<b>Count</b>	196	360	556
		<b>% within COURSE</b>	16.0%	17.4%	16.9%
	<b>W,I</b>	<b>Count</b>	128	412	540
		<b>% within COURSE</b>	10.4%	19.9%	16.4%
	<b>no grade rec'd</b>	<b>Count</b>	283	552	835
		<b>% within COURSE</b>	23.1%	26.6%	25.3%
<b>Total</b>	<b>Count</b>	1225	2073	3298	
	<b>% within COURSE</b>	100.0%	100.0%	100.0%	

**PLACEMENT TEST SCORE BY SUCCESS IN  
N06  
(Spring 2001 through Fall 2002)**

		SUCCESS IN N06 (Count)		Total
		A,B,C,Cr	D,F,NC	
<b>SCORE</b>	<b>2</b>		2	2
	<b>3</b>	2		2
	<b>4</b>	4	2	6
	<b>5</b>	3		3
	<b>6</b>	5	6	11
	<b>7</b>	2	4	6
	<b>8</b>	14	8	22
	<b>9</b>	16	15	31
	<b>10</b>	22	13	35
	<b>11</b>	28	16	44
	<b>12</b>	48	23	71
	<b>13</b>	61	40	101
	<b>14</b>	48	28	76
	<b>15</b>	57	37	94
	<b>16</b>	63	35	98
	<b>17</b>	75	30	105
	<b>18</b>	78	28	106
	<b>19</b>	72	28	100
	<b>20</b>	59	22	81
	<b>21</b>	12		12
	<b>22</b>	7	3	10
	<b>23</b>	10	3	13
	<b>24</b>	9	2	11
	<b>25</b>	15	3	18
	<b>26</b>	8	4	12
	<b>27</b>	6	3	9
	<b>28</b>	5		5
	<b>29</b>		1	1
	<b>30</b>	4	1	5
	<b>31</b>	3		3

<b>32</b>		1	1
<b>33</b>	5	1	6
<b>34</b>	1		1
<b>35</b>	1		1
<b>36</b>		1	1
<b>38</b>	2		2
<b>40</b>	1		1
<b>45</b>	1		1
<b>70</b>	1		1
<b>80</b>	1		1
<b>Total</b>	749	360	1109

N06 cut at 11 * SUCCESS Crosstabulation					
			SUCCESS		Total
			A,B,C,Cr	D,F,NC	
N06 cut at 11	at or above cut	Count	681	310	991
		% of Total	61.4%	28.0%	89.4%
	below cut	Count	68	50	118
		% of Total	6.1%	4.5%	10.6%
Total		Count	749	360	1109
		% of Total	67.5%	32.5%	100.0%

N06 cut at 12 * SUCCESS Crosstabulation					
			SUCCESS		Total
			A,B,C,Cr	D,F,NC	
N06 cut at 12	at or above cut	Count	653	294	947
		% of Total	58.9%	26.5%	85.4%
	below cut	Count	96	66	162
		% of Total	8.7%	6.0%	14.6%
Total		Count	749	360	1109
		% of Total	67.5%	32.5%	100.0%

N06 cut at 10 * SUCCESS Crosstabulation					
			SUCCESS		Total
			A,B,C,Cr	D,F,NC	
N06 cut at 10	at or above cut	Count	703	323	1026
		% of Total	63.4%	29.1%	92.5%
	below cut	Count	46	37	83
		% of Total	4.1%	3.3%	7.5%
Total		Count	749	360	1109
		% of Total	67.5%	32.5%	100.0%

N06 cut at 13 * SUCCESS Crosstabulation					
			SUCCESS		Total
			A,B,C,Cr	D,F,NC	
N06 cut at 13	at or above cut	Count	605	271	876
		% of Total	54.6%	24.4%	79.0%
	below cut	Count	144	89	233
		% of Total	13.0%	8.0%	21.0%
Total		Count	749	360	1109
		% of Total	67.5%	32.5%	100.0%

N06 cut at 9 * SUCCESS Crosstabulation					
			SUCCESS		Total
			A,B,C,Cr	D,F,NC	
N06 cut at 9	at or above cut	Count	719	338	1057
		% of Total	64.8%	30.5%	95.3%
	below cut	Count	30	22	52
		% of Total	2.7%	2.0%	4.7%
Total		Count	749	360	1109
		% of Total	67.5%	32.5%	100.0%