



Santiago Canyon College

Math N48 Student Progress thru Math Sequence Coursework

Compiled by the RSCCD Research Department, October 2014

Summary of Findings

Math N48 Course Success

- Across all semesters for which Math N48 data is available (Fall 1997 forward), first-time students enrolled in N48 successfully completed the course at a rate of 61%; that rate has remained fairly constant since 2005.

Persistence to Subsequent Courses in Math Sequence

- Across all semesters included in this study, 63% of students who received a grade in Math N48 (1-5 attempts) subsequently enrolled in Math 060.
- 38% of the Math N48 cohorts subsequently enrolled in Math 070, 080, and/or 081.

Successful Completion in Subsequent Sequence Coursework

- Inclusive of all attempts in Math N48, cohort students successfully completed the course at a rate of 74% (61% in their first attempt).
- Subsequent enrollments (1-5 attempts) of N48 cohort students in Math 060 ultimately resulted in a success rate of 71% (49% in their first attempt).
- Finally, N48 cohort enrollments in one (or more) sections of Math 070, 080, or 081 resulted in a success rate of 56% (40% in their first attempt).

Math N48 Cohort Success (1st Semester Attempted) and Persistence thru Sequence

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Math N48 Success in Cohort Semester				
1st Semester Math N48 Attempted	A,B,C,P	D,F,NP	W,I	# Grades Rec'd
1997-98	50%	0%	50%	6
1998-99	71%	29%	0%	7
1999-00	64%	18%	18%	11
2000-01	43%	43%	14%	7
2001-02	82%	0%	18%	11
2002-03	57%	21%	21%	14
2003-04	50%	28%	22%	18
2004-05	45%	30%	25%	20
2005-06	61%	12%	27%	49
2006-07	63%	11%	25%	71
2007-08	69%	18%	13%	133
2008-09	65%	19%	16%	281
2009-10	57%	24%	20%	451
2010-11	61%	21%	18%	489
2011-12	61%	22%	17%	459
2012-13	62%	24%	14%	461
2013-14	59%	22%	18%	474
Sum '14	83%	7%	10%	30
Total	61%	22%	17%	2992

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Math N48 Student Persistence to Sequence Courses					
1st Semester Math N48 attempted	# grades rec'd Math N48	persistence to Math 060		persistence to Math 070/080/081	
		count	% of N48 Cohort	count	% of N48 Cohort
1997-98	6	4	67%	4	67%
1998-99	7	6	86%	5	71%
1999-00	11	11	100%	7	64%
2000-01	7	6	86%	5	71%
2001-02	11	9	82%	8	73%
2002-03	14	14	100%	8	57%
2003-04	18	17	94%	14	78%
2004-05	20	19	95%	14	70%
2005-06	49	46	94%	34	69%
2006-07	71	68	96%	54	76%
2007-08	133	126	95%	89	67%
2008-09	281	238	85%	172	61%
2009-10	451	286	63%	183	41%
2010-11	489	306	63%	195	40%
2011-12	459	282	61%	171	37%
2012-13	461	273	59%	148	32%
2013-14	474	186	39%	31	7%
Sum '14	30				
Total	2992	1897	63%	1142	38%

Summary of Successful Completion of Math N48 Cohorts thru Math Sequence Courses

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SUMMARY of Math N48 Students' Progress Thru Sequence Coursework (N48 to 060 and 070/080/081)									
1st Attempt in Math N48	# of Semesters to Math N48 Success			# of Semesters to Math 060 Success			# of Semesters to Math 070/080/081 Success		
	did not succeed	success in 1-5 attempts	# grades rec'd	did not succeed	success in 1-5 attempts	# grades rec'd	did not succeed	success in 1-5 attempts	# grades rec'd
1997-98	16.7%	83.3%	6	50.0%	50.0%	4	50.0%	50.0%	4
1998-99	14.3%	85.7%	7	16.7%	83.3%	6	40.0%	60.0%	5
1999-00		100.0%	11	18.2%	81.8%	11	71.4%	28.6%	7
2000-01	14.3%	85.7%	7	16.7%	83.3%	6	100.0%	0.0%	5
2001-02	9.1%	90.9%	11	22.2%	77.8%	9	25.0%	75.0%	8
2002-03		100.0%	14	35.7%	64.3%	14	50.0%	50.0%	8
2003-04		100.0%	18	17.6%	82.4%	17	35.7%	64.3%	14
2004-05	10.0%	90.0%	20	31.6%	68.4%	19	71.4%	28.6%	14
2005-06	8.2%	91.8%	49	19.6%	80.4%	46	64.7%	35.3%	34
2006-07	5.6%	94.4%	71	17.6%	82.4%	68	51.9%	48.1%	54
2007-08	7.5%	92.5%	133	17.5%	82.5%	126	50.6%	49.4%	89
2008-09	15.7%	84.3%	281	29.4%	70.6%	238	47.1%	52.9%	172
2009-10	30.6%	69.4%	451	29.7%	70.3%	286	39.9%	60.1%	183
2010-11	27.4%	72.6%	489	26.1%	73.9%	306	37.4%	62.6%	195
2011-12	28.8%	71.2%	459	30.5%	69.5%	282	36.3%	63.7%	171
2012-13	30.2%	69.8%	461	31.5%	68.5%	273	45.3%	54.7%	148
2013-14	36.1%	63.9%	474	41.9%	58.1%	186	38.7%	61.3%	31
sum 2014	16.7%	83.3%	30			0			0
Total	26.3%	73.7%	2992	29.0%	71.0%	1897	43.6%	56.4%	1142
cohort year=summer/fall/spring (and intersession 2013-14); cohort comprised of students who attempted N48 for the first time and received a grade									
success in any one (or more) courses at the Math 070/080/081 placement advisement level is considered, for this analysis, successful completion									

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Math N48 Students' Progress Thru Sequence Coursework (N48,060,070/080/081,105/140)

1st Attempt in Math N48	# of Semesters to Math N48 Success						# Grades Rec'd	# of Semesters to Math 060 Success						# Grades Rec'd	# of Semesters to Math 070/080/081 Success					# Grades Rec'd
	did not succeed	1	2	3	4	5		did not succeed	1	2	3	4	5		did not succeed	1	2	3	5	
	1997-98	16.7%	50.0%	33.3%					6	50.0%		50.0%					4	50.0%		
1998-99	14.3%	71.4%	14.3%				7	16.7%	50.0%	33.3%				6	40.0%	40.0%	20.0%			5
1999-00		63.6%	27.3%		9.1%		11	18.2%	45.5%	9.1%	9.1%	9.1%	9.1%	11	71.4%	14.3%	14.3%			7
2000-01	14.3%	42.9%	28.6%	14.3%			7	16.7%	16.7%	50.0%		16.7%		6	100.0%					5
2001-02	9.1%	81.8%		9.1%			11	22.2%	44.4%	33.3%				9	25.0%	62.5%	12.5%			8
2002-03		57.1%	42.9%				14	35.7%	35.7%	21.4%	7.1%			14	50.0%	37.5%	12.5%			8
2003-04		50.0%	16.7%	33.3%			18	17.6%	52.9%	17.6%	11.8%			17	35.7%	28.6%	21.4%	14.3%		14
2004-05	10.0%	45.0%	35.0%	5.0%		5.0%	20	31.6%	31.6%	26.3%	10.5%			19	71.4%	14.3%	7.1%		7.1%	14
2005-06	8.2%	61.2%	26.5%	4.1%			49	19.6%	43.5%	17.4%	10.9%	4.3%	4.3%	46	64.7%	23.5%	5.9%	5.9%		34
2006-07	5.6%	63.4%	21.1%	7.0%	2.8%		71	17.6%	39.7%	26.5%	13.2%	2.9%		68	51.9%	31.5%	13.0%	3.7%		54
2007-08	7.5%	69.2%	18.8%	3.8%	.8%		133	17.5%	34.1%	31.0%	11.1%	6.3%		126	50.6%	24.7%	16.9%	7.9%		89
2008-09	15.7%	65.1%	12.8%	6.0%	.4%		281	29.4%	46.6%	14.7%	6.7%	2.1%	.4%	238	47.1%	39.5%	12.2%	1.2%		172
2009-10	30.6%	56.8%	9.8%	2.4%	.4%		451	29.7%	47.2%	16.4%	6.6%			286	39.9%	43.2%	12.0%	4.9%		183
2010-11	27.4%	61.1%	9.2%	2.0%	.2%		489	26.1%	51.0%	18.6%	3.9%	.3%		306	37.4%	45.6%	15.9%	1.0%		195
2011-12	28.8%	60.6%	9.8%	.9%			459	30.5%	55.0%	11.7%	2.8%			282	36.3%	46.2%	15.2%	2.3%		171
2012-13	30.2%	61.8%	6.1%	2.0%			461	31.5%	53.5%	13.2%	1.8%			273	45.3%	37.2%	17.6%			148
2013-14	36.1%	59.5%	4.2%	.2%			474	41.9%	55.4%	2.7%				186	38.7%	61.3%				31
sum '14	16.7%	83.3%					30													
Total	26.3%	61.1%	9.9%	2.4%	.3%	.0%	2992	29.0%	49.0%	15.8%	5.0%	1.1%	.2%	1897	43.6%	39.7%	13.9%	2.7%	.1%	1142