

# De Anza College Office of Institutional Research and Planning

**To:** De Anza Math Department

**From:** Mallory Newell, De Anza Researcher

**Date:** 1/15/2020

**Subject:** Survey of Math Students – Fall 2019

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An online survey was sent to all students enrolled in MATH10, MATH10+MATH210x, MATH10.MPS, MATH11, MATH41, MATH41+ coreq, MATH41.MPS, MATH42, and MATH44. The survey was sent during week 8 of the quarter and open through week 12. This resulted in 366 total survey respondents. Table 1 below provides respondents by course.

**Table 1. Respondents by Course**

	Responses
MATH10	184
MATH10+210	10
MATH10MPS	19
MATH11	20
MATH41	70
MATH41+231	13
MATH41MPS	8
MATH42	32
MATH44	10
Total	366

**Question 1. Is this your first year at De Anza?**

	Yes		No		Total	
	Responses	Percent	Responses	Percent	Responses	Percent
MATH10	114	62%	70	38%	184	100%
MATH10+210	4	40%	6	60%	10	100%
MATH10MPS	6	32%	13	68%	19	100%
MATH11	5	25%	15	75%	20	100%
MATH41	46	66%	24	34%	70	100%
MATH41+231	12	92%	1	8%	13	100%
MATH41MPS	3	38%	5	63%	8	100%
MATH42	10	31%	22	69%	32	100%
MATH44	5	50%	5	50%	10	100%

- The majority of respondents indicated this was their first year at De Anza.
  - Students in the standalone courses tended to be in their first year at a higher rate while students in the corequisite and MPS sections tended to have been at De Anza longer than a year with the exception of MATH41+231 where all but 1 student was in their first year.

**Question 2. Is this your first Math class?**

	Yes		No		Total	
	Responses	Percent	Responses	Percent	Responses	Percent
MATH10	127	69%	57	31%	184	100%
MATH10+210	6	60%	4	40%	10	100%
MATH10MPS	9	47%	10	53%	19	100%
MATH11	6	30%	14	70%	20	100%
MATH41	45	64%	25	36%	70	100%
MATH41+231	12	92%	1	8%	13	100%
MATH41MPS	2	25%	6	75%	8	100%
MATH42	9	28%	23	72%	32	100%
MATH44	5	50%	5	50%	10	100%

- The majority of respondents indicated that this was their first math course.
  - Students in MATH10.MPS, MATH11 and MATH42 had a higher rate of having taken a Math course prior than respondents in other courses.

**Question 3. Did you know that De Anza offers a variety of Math courses that provide additional support to students?**

	Yes		No		I am not sure		Total	
	Responses	Percent	Responses	Percent	Responses	Percent	Responses	Percent
MATH10	110	60%	48	26%	26	14%	184	100%
MATH10+210	8	80%	2	20%			10	100%
MATH10MPS	13	68%	6	32%			19	100%
MATH11	11	55%	2	10%	7	35%	20	100%
MATH41	54	77%	8	11%	8	11%	70	99%
MATH41+231	9	69%	3	23%	1	8%	13	100%
MATH41MPS	8	100%					8	100%
MATH42	22	69%	3	9%	7	22%	32	100%
MATH44	6	60%	3	30%	1	10%	10	100%

- The majority of students in all math sections indicated they did know that De Anza offers math courses with additional supports.
  - The highest rated responses were in MATH41 and MATH41.MPS
  - The lowest rated responses were in MATH10.MPS and MATH44

**Question 4. How would you describe your Math skills?**

	Not confident. I have struggled with Math classes and assignments in the past.		Moderate. I often struggle with Math but usually can get most things in the end.		Good. I have a good understanding of Math but sometimes struggle with certain concepts or tasks.		Very strong. I am comfortable with Math and generally do very well in class.		Total	
	Responses	Percent	Responses	Percent	Responses	Percent	Responses	Percent	Responses	Percent
MATH10	27	15%	60	33%	74	40%	23	12%	184	100%
MATH10+210	2	20%	4	40%	3	30%	1	10%	10	100%
MATH10MPS	3	16%	9	47%	6	32%	1	5%	19	100%
MATH11	3	15%	1	5%	13	65%	3	15%	20	100%
MATH41	4	6%	16	23%	36	51%	14	20%	70	100%
MATH41+231	3	23%	3	23%	5	38%	2	15%	13	100%
MATH41MPS	4	50%	3	38%	1	13%			8	100%
MATH42	3	9%	4	13%	15	47%	10	31%	32	100%
MATH44	8	80%	1	10%	1	10%	0		10	100%

- The highest rated response for the majority of courses was Good. I have a good understanding of Math but sometimes struggle with certain concepts or tasks.
  - MATH44 students selected Not confident at the highest rate.
  - MATH10+210 and MATH10.MPS selected Moderate at the highest rate.
  - MATH10, MATH11, MATH41, MATH41+231 and MATH42 all selected Good at the highest rate.
  - Additionally, 20% of MATH41 students selected Very strong as did 31% of MATH42 students and 12% of MATH10 students.

**Question 5. How would you describe your Math skills?**

	2.59 or below		2.6 - 2.9		3.0-3.39		3.4 or above		Total	
	#	%	#	%	#	%	#	%	#	%
MATH10	12	8%	24	16%	41	28%	72	48%	149	100%
MATH10+210	2	22%	2	22%	1	11%	4	44%	9	100%
MATH10MPS	2	17%	2	17%	4	33%	4	33%	12	100%
MATH11	1	7%	2	13%	6	40%	6	40%	15	100%
MATH41	3	5%	4	7%	11	19%	41	69%	59	100%
MATH41+231	5	42%	1	8%	1	8%	5	42%	12	100%
MATH41MPS	2	33%	2	33%	1	17%	1	17%	6	100%
MATH42	3	14%	2	10%	4	19%	12	57%	21	100%
MATH44	4	44%	1	11%	2	22%	2	22%	9	100%

- The largest groups of students in MATH10, MATH10+210, MATH41, MATH41+231, and MATH42 indicated they had a 3.4 GPA or higher in high school.
  - Students in MATH10.MPS and MATH11 indicated at the same rates that they had a 3.0-3.9 or 3.4 or higher.
  - Students in MATH41+231 had the same rate of selecting 2.59 or below and 3.4 or above.
  - Students in MATH44 reported the overall lowest high school GPA at 2.59 or below.