

PROGRAM SLO ASSESSMENT REPORT, SCC

Department: Mathematics Course: N06

Year: 2011 Semester: Fall

1) Outcome to be assessed	2) Means of assessment and criteria of success	3) Summary of data collected	4) Analysis of data	5) Plan of action/what to do next
<p>Apply arithmetic principles to solve simple real world problems.</p>	<p>Five application questions were looked at and recorded as correct or incorrect. The applications were:</p> <ul style="list-style-type: none"> • Money • Banking • Sales Tax • Distance • Grades <p>The percent of students who were successful for each question was recorded. Further, each class was examined to see on average how many of the 5 questions students were successful on.</p>	<p>The percent of success for each question are as follows:</p> <ul style="list-style-type: none"> • Money – 68% • Banking – 34% • Sales Tax – 12% • Distance – 37% • Grades – 49% <p>Further: Average: 2.02 correct</p> <p>2 out of 4 sections were evaluated which totaled 41 students.</p>	<p>Grading each question as correct or incorrect has its limitations since small errors will not be taken into account. Most students are uncomfortable with word problems, so even though the results are not good, they are not completely unexpected.</p> <p>The basic question regarding money went the best, however, when the question was worded in the context of banking, students were much weaker. Perhaps due to small errors.</p> <p>Surprisingly, sales tax was the worst question in performance even though it is a more frequent occurrence in student's lives then calculating distance.</p> <p>The second most successful question was calculating a grade, which is again a significant part of student's lives.</p> <p>Student's average was 2 out of 5 correct, which is a pretty poor showing.</p>	<p>The results need to be disseminated to all faculty, including adjunct faculty. A grant that was previously worked on has provided some prepared activities for these topics. These activities should be shared among the faculty teaching math N06. Perhaps a flex activity should be offered that shares specific ideas and activities for applications in our basic skills math classes, in particular Math N06 and N48.</p>

Question Success Breakdown

Question Type	Frequency of Success	Success Rate
Money	28	68%
Bank Balance	14	34%
Sales Tax	5	12%
Distance	15	37%
Exam Score	20	49%

Raw Data

Instructor 1		Instructor 2	
Number Correct	Frequency	Number Correct	Frequency
0	3	0	3
1	5	1	6
2	2	2	4
3	4	3	9
4	2	4	2
5	0	5	1
Total Students	16	Total Students	25