Note: This semester, students focused on integer and fraction arithmetic (addition, subtraction, multiplication, and division). Next semester, students will study decimals, percents, and additional topics as time permits (averaging, unit conversion, etc.).

DCP Numeracy Standard	Taught 1 st	On Semester 1
DCP students will be able to:	Semester	Final
1) Perform all arithmetic operations.		
1. Round numbers to any place value.	ALEKS	No
2. Add, subtract, multiply, and divide single and	Mostly	Mostly
multi-digit numbers, including decimals to the	(decimals 2 nd	(decimals 2 nd
thousandths place.	semester)	semester)
3. Multiply and divide by powers of 10 by moving	n/a	n/a
the decimal point.	(2 nd semester)	(2 nd semester)
Use prime factorizations to find GCFs and	Mostly	Mostly
LCMs, and to reduce fractions.	(not GCF)	(not GCF)
5. Add, subtract, multiply, and divide fractions	Vec	Vec
and mixed numbers.	103	163
Convert between fractions and mixed	Vec	Vec
numbers.	103	163
2) Demonstrate number sense and confidence with		
numbers.		
1. Model numbers with base-10 blocks and know		Indirect
how to exchange between place values in the	Yes	(add with carry
decimal system.		and subtract
		with borrow)
2. Correctly say and spell individual place values	Somewhat in	
and number names into the billions.	Lessons;	No
	Yes in ALEKS	
3. Use strategies to facilitate recall of basic	Yes	Indirect
arithmetic facts.		
4. Determine it a number is prime or composite.	N/s.s	Indirect
	Yes	(prime
	O a sea de at	factorization)
5. Understand division as both groups of and	Somewhat	
per group .	(groups of only)	
o. Use inverse operations to solve subtraction	Somewnat	
and division problems.	(subtraction only)	
7. Estimate the value of a fraction, compare two		NI-
tractions, and put a set of fractions in order.		INO
	∠ semester for	
	estimation,	decimais 2"
	compare yes,	semester)
2) Deed interpret and erects prochical	order in ALEKS)	
s) Read, Interpret, and create graphical		
A Know when and how to analy a ware as a set		
4) Know when and now to apply numeracy concepts		
to relevant applications.		

Skill	Problem(s)
Students will be able to:	95 grand total
INTEGEDS	55 problems
INTEGERS	section total
Adding Single-Digit Integers	16 problems
 Add single-digit positive integers. 	1, 6
 Add single-digit negative integers. 	2, 7
 Add single-digit positive integers with single-digit negative 	3-5 8-10
integers, and vice versa.	0-0, 0-10
 Add multi-digit positive integers without carrying. 	21, 24
Add multi-digit positive integers with a single carry.	22, 25
Add multi-digit positive integers with multiple carries.	23, 26
Subtracting Single-Digit Integers	16 problems
Subtract single-digit positive integers.	11, 16, 17
 Subtract single-digit positive integers by single-digit negative 	12 13 18 19
integers and vice versa.	12, 10, 10, 10
Subtract single-digit negative integers.	14, 15, 20
Subtract multi-digit positive integers without borrowing.	27, 30
Subtract multi-digit positive integers with a single borrow.	28, 31
Subtract multi-digit positive integers with multiple borrows.	29, 32
Multiplying Integers	13 problems
 Multiply positive and negative integers from the multiplication 	33-39
table.	
Multiply multi-digit positive integers by single-digit positive	40
Integers without carrying.	
Multiply multi-aight positive integers by single-aight positive	41
Multiply multi digit positivo integero by single digit positivo	
• Multiply multiple carries	42
Multiply multi-digit positive integers by multi-digit positive	
integers without carrying	43
Multiply multi-digit positive integers by multi-digit positive	
integers with carrying	44, 45
Dividing Integers	10 problems
Divide positive integers from the multiplication table without	10.10
remainders.	46-48
Divide positive integers with remainders using only a single step	40 50
from the multiplication table.	49, 50
Divide multi-digit positive integers by single-digit positive	51
integers without remainders.	51
 Divide multi-digit positive integers by single-digit positive integers with remainders 	52
Divide multi-digit positive integers by multi-digit positive integers without remainders	53
Divide multi-digit positive integers by multi-digit positive integers	_
with remainders	54, 55
	40 problems
FRACTIONS	section total

Fraction Concepts	24 problems
Write fractions from shaded, circular regions.	56, 57
 Draw shaded, circular regions from fractions. 	58, 59
Write fractions from shaded, non-circular regions.	60, 62
 Draw shaded, non-circular regions from fractions. 	61, 63
Given a whole, draw the part.	64
Given a part, draw the whole.	65
Convert mixed numbers into improper fractions.	66, 67
Convert improper fractions to mixed numbers.	68, 69
 Plot fractions on the number line. 	70
Write fractions from points on the number line.	71
Determine if fractions are equivalent.	72
 Find the prime factorization of whole numbers. 	73
Simplify fractions and mixed numbers using prime factorizations	74 75
and canceling terms.	,
Simplify improper fractions using prime factorizations and	
canceling terms, and converting them to mixed numbers.	
Find the least common multiple of whole numbers.	76, 77
Find fractions of collections of objects.	94, 95
Adding Fractions	4 problems
Add and subtract fractions with common denominators.	78
Add and subtract fractions with differing denominators.	80, 81
Add mixed numbers with common denominators.	84
Subtracting Fractions	3 problems
Subtract fractions with common denominators.	79
Subtract fractions with differing denominators.	82, 83
Multiplying Fractions	5 problems
Multiply fractions.	85, 86
Multiply fractions by mixed numbers and whole numbers.	87, 88
Multiply mixed numbers by whole numbers.	89
Dividing Fractions	4 problems
Divide fractions.	90
Divide fractions by mixed numbers and whole numbers, and	91, 92
vice versa.	01,02
 Divide mixed numbers by whole numbers, and vice versa. 	93