

Math 123
 Fall 2018
 Dr. Lily Yen

Quiz 1

Show all your work

Name: _____
 Number: _____
 Signature: _____
 Score: ____/21

Problem 1: Translate the Roman numeral MCMLXIV into the equivalent Hindu-Arabic numeral.

Score: /3





















Problem 2: For New York's Super Bowl 46, a big sign in Roman numeral was built. What was the Roman numeral for 46?

Score: /2

Problem 3: Write 12321 as a Babylonian numeral.


Score: /3

Problem 4: Translate the addition problem in the Hindu-Arabic numeral $247 + 154$ to an addition problem in Mayan numeral, and find the answer in Mayan numeral.

0	1	2	3	4	5	6	7	8	9
									
10	11	12	13	14	15	16	17	18	19
									

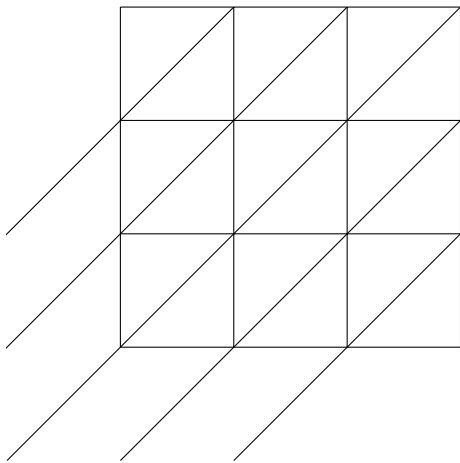
Score: /4

Problem 5: Write the Egyptian numeral  using a Hindu-Arabic numeral.

1	10	100	1000	10 000	100 000	1 000 000
	∩	∩				

Score: /2

Problem 6: Multiply 468×357 using the galley method.



Score: /2

Problem 7: Subtract $1001001_2 - 110110_2$ in base 2, then check your answer by converting the entire subtraction problem including its answer to base 10.

Score: /3

Problem 8: The Vikings Marching Band is considering different configurations for its upcoming half-time show. When the members are arranged eight in a row or ten in a row, there are two members left over in each case. If they are arranged twelve in a row, there are six left over. Find the smallest number of members that the band can have.

Score: /2