

Math 123
 Spring 2023
 Dr. Lily Yen

Quiz 2

Show all your work

Name: _____
 Number: _____
 Signature: _____
 Score: ____/14

Problem 1: Write 543 as a Kaktovik numeral.

0	1	2	3	4	5	6	7	8	9
∞	∖	v	∩	w	˘	∟	√	∩	∩
10	11	12	13	14	15	16	17	18	19
>	∟	∩	∩	∩	≈	∩	∩	∩	∩

Score: /2

Problem 2: Express the Hindu-Arabic numeral 447 in Mayan numeral.

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

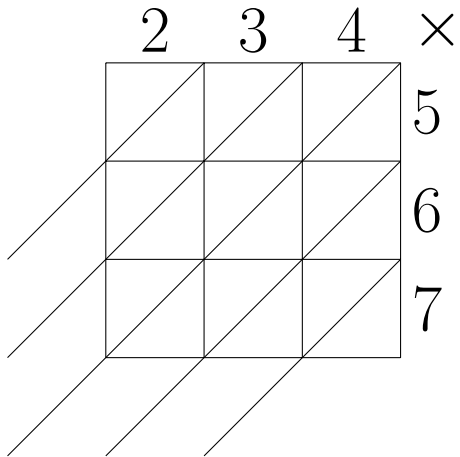
Score: /2

Problem 3: Write the Egyptian numeral using a Hindu-Arabic numeral.

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

Score: /2

Problem 4: Multiply 234×567 using the galley method.



Problem 5: Compute $2023021_4 - 230113_4$ using the two-line algorithm.

Score: /2

Problem 6: Fire Horse has a bag of chickpeas. When she lines them up 5 in a row or 7 in a row, she has 3 left over in each case. If she lines them up 9 in a row, she has 1 left over.

Score: /3

Find the smallest number of chickpeas that Fire Horse may have.

Score: /3