

Math 123-02
Fall 2024
Dr. Lily Yen

Quiz 2

Show all your work

Name: _____
Number: _____
Signature: _____
Score: ____/15

Problem 1: Convert 7136_8 into binary.

Score: /2

Problem 2: Express the Hindu-Arabic numeral 987 in Mayan numeral.

Score: /2

Problem 3: Write 9637 as a Kaktovik numeral.

Score: /2

Problem 4: Translate MDCXLVII to Hindu-Arabic base-10 numeral.

Score: /2

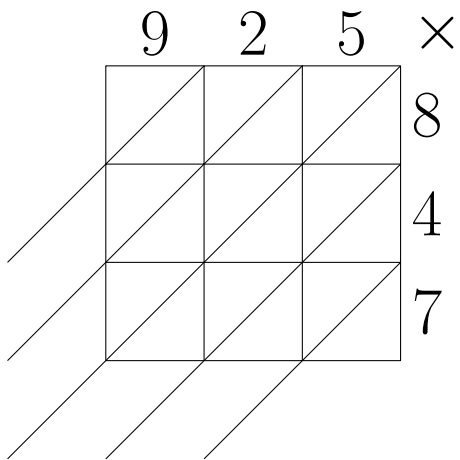
Problem 5: Translate the following Babylonian numeral to Hindu-Arabic base-10 numeral.



Score: /2

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| /10 |
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Problem 6: Multiply 925×847 using the galley method.



Score: /2

Problem 7: In the Dungeon Theatre of the Dragons, the seats are arranged 8 in a row to the left of the stage and 10 in a row to the right of the stage. Suppose the extended family of Fire Horse gathers to see a show in the Dungeon Theatre; if they all sit on the left of the stage, there are 3 members of the family without a seat. If they all sit on the right of the stage, there are 5 empty seats. Find the first two smallest possible numbers of seats the Dungeon Theatre may have.

Score: /3