

Math 123-01  
Summer 2025  
Dr. Lily Yen

# Quiz One

Show all your work

Name: \_\_\_\_\_  
Number: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Score: \_\_\_\_/10

**Problem 1:** In a safari zoo with zebras and ostriches (at least one of each), suppose you count a total of 22 legs, how many of each kind may be in the zoo? Make a table of values to cover all possible cases.

From your table of values, which of the following numbers are possible for the total number of eyes? Circle all correct ones.

12,      16,      22,      28

Score:      /4

**Problem 2:** Share a 2.6-metre fruit leather with a friend such that your friend gets 80 centimetres more than you.

Score:      /2

**Problem 3:** Solve the following  $4 \times 4$  Kenken puzzle.

2-	24×		3+
	3-		
2÷		5+	
	8+		

Score:      /4