


Week #3 Winter 2024

Problem

of the Week



A UPS driver stops at a house to drop off a package. He asks the woman who lives there how many children she has. "Three," she says. "And I bet you can't guess their ages." "Ok, give me a hint," the driver says. "Well, if you multiply their ages together, you get 36," she says. "And if you add their ages together, the sum is equal to our house number." The driver looks at the house number nailed to the front of her house. "I need another hint," he says. The woman thinks for a moment. "My youngest daughter will have a lot to learn from her older sisters," she says. The deliveryman's eyes light up and he tells her the ages of her three children. What are their ages?

Undergraduates may submit solutions to the Mathematics Department office, 1150 FAB **or** by email to mathpow@wayne.edu by noon 2/13/2024. Include your name, ID number, and whether you have completed Math 2030 (or higher). For more information go to <https://clas.wayne.edu/math>. Solutions will be posted online and throughout the math department after the deadline.