

Core Problem

The Commission Problem

Eric and Nancy are married, and they work part-time as salespeople for two different companies. They both sell fish tanks to high-end restaurants in the New York City metro area. Eric’s employer pays him a monthly salary of \$1400, plus a commission of \$75 for every fish tank that he sells. Nancy’s employer does not pay her a salary. Instead, they offer her a commission of \$250 for every fish tank that she sells.

Eric and Nancy want to contribute equally to their finances.

How many fish tanks would they each need to sell so that they bring in the same amount of money?

Justify your answer.
