



Problem of the Week

Problem B

Charge or Pump?

Madeline wants to trade in her gas-guzzling SUV (which uses gas at a rate of 20 litres per 100 km) for a hybrid which uses only 4.5 litres per 100 km. Allowing for her trade-in, she will pay \$31 000 for the new hybrid.

If gas remains stable at \$1.00 per litre, and Madeline drives 2 000 km per month, after how many months will Madeine have saved enough on gas (compared to her SUV) to compensate her for the cost of the hybrid?

