

The Unhappy Worker

Problem-of-the-Week

The Problem

A worker received a salary increase of $p\%$ one year and a decrease of $p\%$ the next year. Express the percent of change over the two years in terms of p .



Strategies and Hints

1. For the two-year period, is the net result an increase or a decrease?
2. Use S for the salary before the increase. Write an expression for the salary after the increase.
3. Write an expression for the salary after the decrease.