## Problem-Based Task 4.1.1: Population Change

On opposite sides of a major city two suburban towns are experiencing population changes. One town, Town A, is growing rapidly at $5 \%$ per year and has a current population of 39,000 . Town B has a declining population at a rate of $2 \%$ per year. Its current population is 55,000 . Economists predict that in 5 years the populations of these two towns will be about the same, but the residents of both towns are in disbelief.

## SMP

$12 \checkmark$
$34 \checkmark$
5」6」
78 The economists also claim that ten years after that, Town A will be double the size of Town B. Can you verify the predictions based on the data given? Do you think these predictions will come true?


