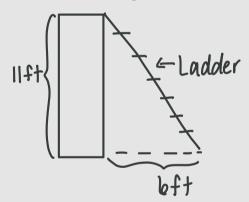
## Problem 1

Use the formula below to estimate the population of a town:

Let N be the number of years after the year 1972. What is the best estimate (round to the nearest whole number) for the population of the town in 2022?

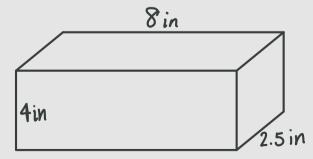
# Problem 2

What is the length of the ladder?



## Problem 3

What is the surface area of the shape below?



### Problem 4

Use L to represent the length of Box A. Suppose that Box B is twice the size of Box A, and Box C is a quarter of the size of Box A. If the length of Box D is the sum of the lengths of Box B and C, how can we write Box D's length as an expression using the variable L?

#### Problem 5

Use the following conversions to answer the questions below:

Convert: