1. We want to determine the height of a building of *n* floors, knowing that the ground floor has a height of 6 meters and that the other floors each have a height of 4 meters.

1. An aircraft pilot wants to know the atmospheric pressure, expressed in atmosphere units (atm), as the weather station only provides pressure data in kilopascal units (kPa).  
   1 atm is equivalent to 101.325 kPa. Make a program that performs the conversion.

1. In a computer technology course, the following evaluation weights are used:

* Laboratory work counts for 40% of the grade
* The midterm exam counts for 25%
* The final exam counts for 35%

Make a program that calculates the final grade of a student, assuming that each of the three grades the user inputs is out of 100.

5 – Monique want to have a little program that allows her to evaluate the total amount of her expenses for a month, as well as the amount of money she can allocate for her leisure activities and non-essential spending. The program should read her projections for expenses in the following categories:  
  
**Weekly expenses** (one time per week; assuming that 1 month = 4 weeks)

* Food expenses and household expenses
* Common expenses

**Monthly expenses** (one time per month)

* Public transit pass
* Rent
* Total of monthly bills

The program should also read the amount of her paycheques. Monique receives two paycheques per month.  
  
The program should then display her total expenses, her total income, and the difference.