Solve each of the following story problems. Then follow the directions at the bottom of the page to see if you made any mistakes.

A. A tall apple tree is 36 feet high. A very tall maple tree is 20 feet taller than three times the height of the apple tree. How tall is the maple tree. _____ feet

B. The area of a 20 foot wide garden is 760 square feet. How long is the garden? _____ feet

C. Straight lawn chairs cost $34 and reclining lawn chairs cost twice as much. How much would a pair of each cost? _____ dollars

D. It is estimated that a cow eats 1000 pounds of grain, hay, and silage per year. If cows are fed the same amount of grain as silage and three times as much hay as grain, how much grain will a cow eat in a year? _____ pounds

E. Bricks costing 50 cents each are four inches wide and eight inches long. How much would it cost for enough bricks to build a brick patio 12 feet wide by 20 feet long? _____ dollars

F. A byte is the term used for the amount of computer memory needed to store one letter, digit, blank space, or other keyboard character. In computer terminology, K is the symbol used to represent the number 1024. If the internal memory of a microcomputer is 64K, and a page of an average book contains 2500 characters, to the nearest page, how many pages of data could be stored in this microcomputer? _____ pages

G. The record low temperature at the Russian installation in Antarctica is about 6 degrees F lower than the record low at the American installation. If the average of these two low temperatures is −118 degrees F, find the American record low. Then write the absolute value of this number as the answer. _____ degrees F

H. A square and an equilateral triangle have the same perimeter. If a side of the square is 42 cm, what is the length of a side of the triangle? _____ cm

Write each of your numerical answers on the lines above the letter of the problem to get a 21 digit number.

A	B	C	D	E	F	G	H

Subtract 123456789098765432l0 from this 21 digit number.

Add the digits in this new number: _____

If your answer is not 83, you made some mistakes.