

find employment in many types of work. However, our experience with this group of young people has convinced us that it is still possible to excite them about becoming mathematics teachers. All of us need to encourage them to consider teaching as a career and to study mathematics each of their years in high school. If we do not do this, who will?

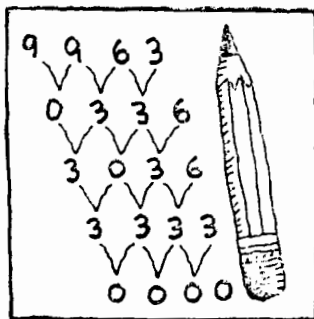
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### MATH MIND BENDERS

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Write down any four-digit number, such as 9963. Find the difference between each adjacent digit (for example 9-9, 9-6, 6-3) and between the two end digits (9-3). Write their answers in a line below the original number. (See diagram)



**EXTENSION:** Do the above exercise ten different times, using a different four-digit number each time. Keep track of how many times you needed to subtract before reaching all zeros. Graph your results. Notice that you subtracted four times in the example above.