

## Math Magic Trick 1

### Start:

Teacher tells the person to do the following:

(Note: The person must be at least 10 for this trick to work.)

- |                                                                              |          |     |
|------------------------------------------------------------------------------|----------|-----|
| Step 1) Write your age on a slip of paper.                                   | example: | 16  |
| Step 2) Mentally add 90 (the teachers favorite number) to your number        |          | 106 |
| Step 3) Mentally move the left hand most digit and add it to the units digit |          | 07  |
| Step 4) Have the person tell you what the last answer is from Step 3)        |          |     |

### Mental Trick:

Teacher tells the person their age.

### How teacher gets the answer:

Add 9 to the answer from step 3) above

### Why it works:

You have 90 added in Step 2), and later you have 99 taken away in Step 3). The net result is a subtraction of 9 from your person's original starting number (their age). Thus, when you are told the final total, you need merely add 9 to it to bring it back to its original value.

source Mathematical Magic by W.Simon