

Math Message

1 Abraham enjoys number tricks. Below is one of his favorites:
Pick a secret number. Perform each step and record the resulting value.

a. Add 3 to the number. _____

b. Multiply the sum by 10. _____

c. Then divide by 5. _____

d. Subtract 6. _____

e. Divide by 2. _____

What number did you get? _____

2 How does Abraham's number trick work?

3 Marcy took her secret number, added 5, doubled the sum, and subtracted 2.
Her result was 58.

a. What was Marcy's secret number? _____

b. What steps did you complete to find Marcy's secret number?

c. How did you know what steps to complete and in what order to complete them?

4 Juan has a number trick, but he forgot the last two steps. Figure out the last two steps so that his final number is the same as his beginning number.

Pick a number. Add 8. Multiply by $\frac{1}{2}$.

Missing steps: _____