How Old is the Rose-Red City? after Martin Gardner

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"A rose-red city half as old as Time.
One billion years ago the city's age
Was just two-fifths of what Time's age will be
A billion years from now. Can you compute
How old the crimson city is today?"

Based on these five lines can you figure out how old is the Rose-Red city?

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The Rose-Red city's age is seven billion years. Let C be the city's present age; T, the present age of Time. A billion years ago the city would have been C - 1 billion years old and a billion years from now Time's age will be T + 1. The data in the puzzle allows us to create two simple equations:

$$2C = T$$

$$C - 1 = 2/5 (T + 1)$$

These equations give C, the city's present age, a value of seven billion years; and T, Time's present age, a value of fourteen billion years.

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