

Chapter 7 Review

Birthday Puzzle

Today is Mrs. Acevedo's birthday. When her students asked how old she was, she made the following puzzle. For each step of the puzzle, write an equation and solve it. The final step of the puzzle will reveal the year in which she was born. Subtract that year from the current year to find out Mrs. Acevedo's age.

Puzzle

1. The sum of three times a number and 60 is 180. What is the number?
2. Negative one times the answer to problem 1 less five times a number is 210. What is the number?
3. A number divided by eight plus the answer to problem 2 is 100. What is the number?
4. Twice a number less the answer to problem 3 is 6500. What is the number?
5. Four times a number equals twice the number plus the answer to problem 4. What is the number?
6. Five times a number less 50 is four times the number plus the answer to problem 5. What is the number?

How old is Mrs. Acevedo?

Answers are located on page 136.