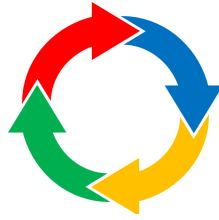# Mathletes Problem of the Week #7

Logic Quizzes

This week's problem contains two self-referential quizzes. This means that every question in each quiz is about the answers to the other questions in the same quiz. You'll have to use your best logical reasoning skills to try to answer all the questions in each quiz correctly!

Quiz #1

1. What is the answer to the second question?
   a. a
   b. b
   c. c
   d. d

2. How many correct answers are **b**?
   a. 0
   b. 1
   c. 2
   d. 3

3. Is there a question with the correct answer **a**?
   a. No.
   b. Yes, one question.
   c. Yes, two questions.
   d. Yes, all three questions.

Solutions & Explanations: (Try one or both of the quizzes. Record your solutions and show some of your thinking here and on the back!)

Name _____   Class _____

(First and last name, please!)   Solutions due: December 20th

<u>Quiz #2</u>

1. How many answers are **a**?
    a. 0
    b. 1
    c. 2
    d. 3
    e. 4

2. The first question with the answer **a** is question number...
    a. 1
    b. 2
    c. 3
    d. 4
    e. There are no **a**'s.

3. The previous answer is....
    a. c
    b. d
    c. e
    d. a
    e. b

4. The only repeated answer is...
    a. c
    b. b
    c. a
    d. e
    e. d