Make a Quiz, Take a Quiz

Name:	Date:

In this task, you'll make a quiz and take a quiz. Then you'll apply concepts of linear equations in one variable to conduct an error analysis. So let's begin!

Design a quiz with five linear equations in one variable. The equations must meet the following minimum criteria. Feel free to include other numbers, variable terms, and operation signs.

- Equation 1 has a fractional coefficient, a whole-number solution, and a subtraction sign.
- Equation 2 has a negative integer coefficient, a positive integer coefficient, and an addition sign.
- Equation 3 has the variable on both sides of the equation.
- Equation 4 requires use of the distributive property to solve it.
- Equation 5 has an integer coefficient and a fractional solution.

1. Create an Answer Key for your quiz.
2. Have a partner take your quiz while you take your partner's quiz.
3. Compare solutions against Answer Keys.
4. Discuss differences between the proposed solutions and the Answer Keys.
5. If necessary, revise your solution(s) and Answer Key.
6. Explain in writing the correction(s) you made.

Scoring Guide

Criteria for Student Learning	Yes/Complete	In part/Almost	Not yet
Quiz with five linear equations is created according to given guidelines.	Student creates five linear equations so that four or five of them comply with the given guidelines and creates up to one equation that almost meets the guidelines.	Student creates five linear equations so that three of them comply with the given guidelines and two of them almost meet the guidelines.	Student does not create more than two linear equations that comply with the given guidelines.
Answer Key for quiz with five equations is created.	Student provides an Answer Key with four or five correct solutions.	Student provides an Answer Key with exactly three correct solutions.	Student provides an Answer Key with no more than two correct solutions, or student does not provide an Answer Key.
Solutions are compared to answer keys, discrepancies are discussed with partner, and work is revised if necessary.	Student compares solutions to partner's Answer Key, discusses discrepancies appropriately, and revises own quiz solutions or Answer Key, as necessary.	Student compares solutions to partner's Answer Key, discusses discrepancies appropriately, but does not correctly revise own quiz solutions or Answer Key, as necessary.	Student does not compare solutions to partner's Answer Key, discuss discrepancies appropriately, or revise own quiz solutions or Answer Key.
Explanation of error(s) and revision(s) is provided, if applicable.	Student correctly identifies error(s) and clearly explains how work was revised to produce correct solution(s), if necessary.	Student correctly identifies error(s), if necessary, but does not adequately explain how work was revised to produce correct solution(s).	Student does not correctly identify error(s) nor explain how work was revised to produce correct solution(s).