



Systems of Equations Checklist

Achievement

I can:

- Form a system of simultaneous equations from a given word problem with two variables.
- Solve a system of simultaneous equations using one method (e.g., substitution, elimination) to find the values of the variables.
- Interpret the solution in the context of the original problem.

Merit

I can:

- Form a system of simultaneous equations from a more complex word problem with two variables.
- Solve a system of simultaneous equations using two or more methods (e.g., substitution and elimination) to find the values of the variables.
- Explain the reasoning behind the chosen methods used to solve the system.
- Analyze the solution to determine if it is a unique solution, infinitely many solutions, or no solution.

Excellence

I can:

- Form a system of simultaneous equations from a challenging word problem with two or more variables.
- Solve a system of simultaneous equations using a variety of methods strategically, depending on the problem.
- Justify the chosen methods and demonstrate a clear understanding of the underlying concepts.
- Apply the solutions to solve multi-step problems that involve interpreting the solution in the context and potentially leading to further calculations.
- Generalize the approach used to solve a particular system to similar problems.