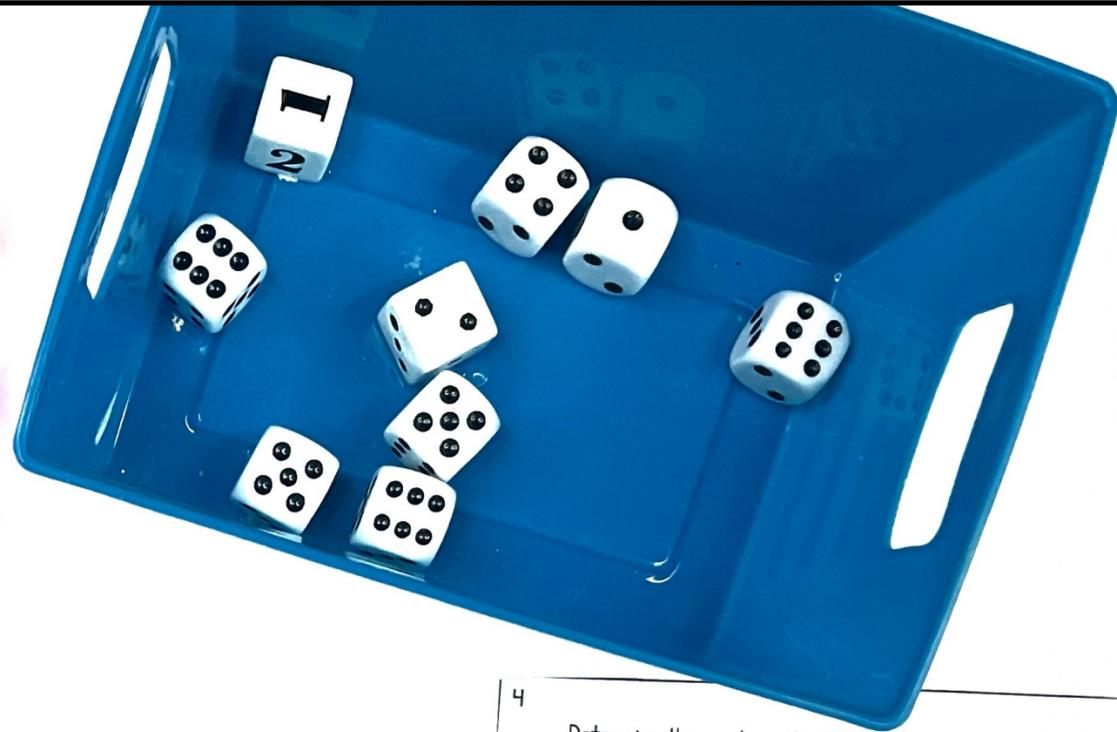


Systems of Linear Equations

SCROLL
to take a look inside!



System of Linear Equations

START

solve a problem!

skip ahead two spaces

solve a problem!

go back three spaces

solve a problem!

solve a problem!

skip ahead two spaces

skip ahead three spaces

go back three spaces

solve a problem!

skip ahead three spaces

go back two spaces

solve a problem!

solve a problem!

go back three spaces

solve a problem!

solve a problem!

go back two spaces

FINISH

solve a problem!

solve a problem!

go back two spaces

solve a problem!

skip ahead three spaces

go back two spaces

solve a problem!

skip ahead three spaces

solve a problem!

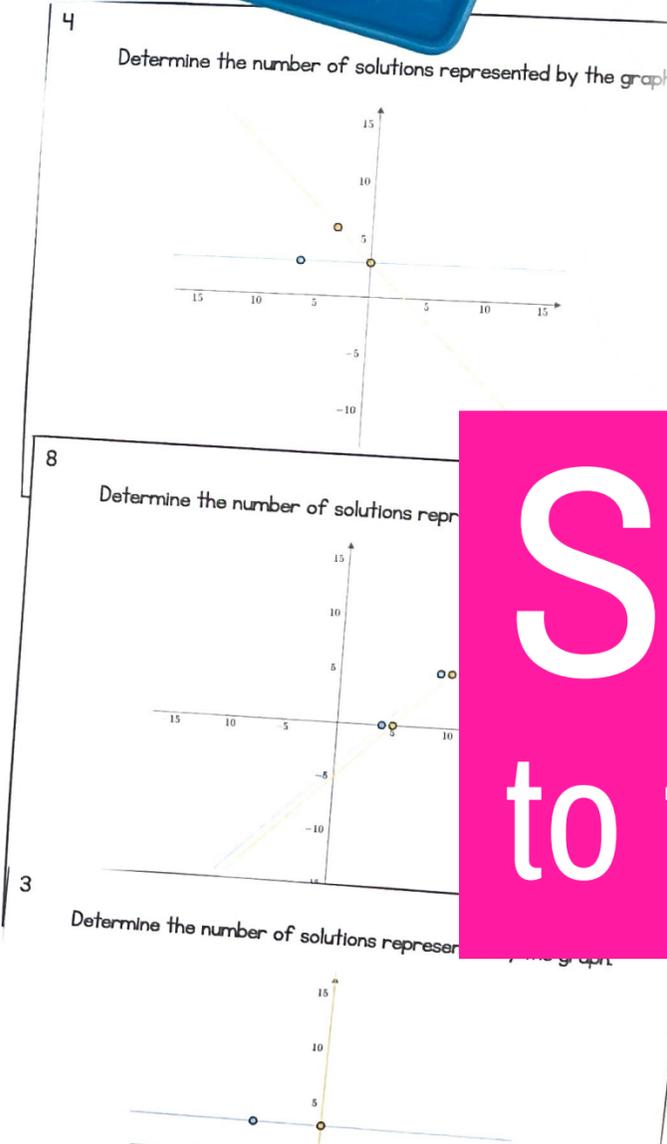
go back three spaces

solve a problem!

skip ahead two spaces

solve a problem!

solve a problem!



Math Skills Included:



Determine whether there is one solution, no solution, or infinitely many solutions

6 Determine the number of solutions represented by the graph.

7 Determine the number of solutions represented by the graph.

4 Determine the number of solutions represented by the graph.

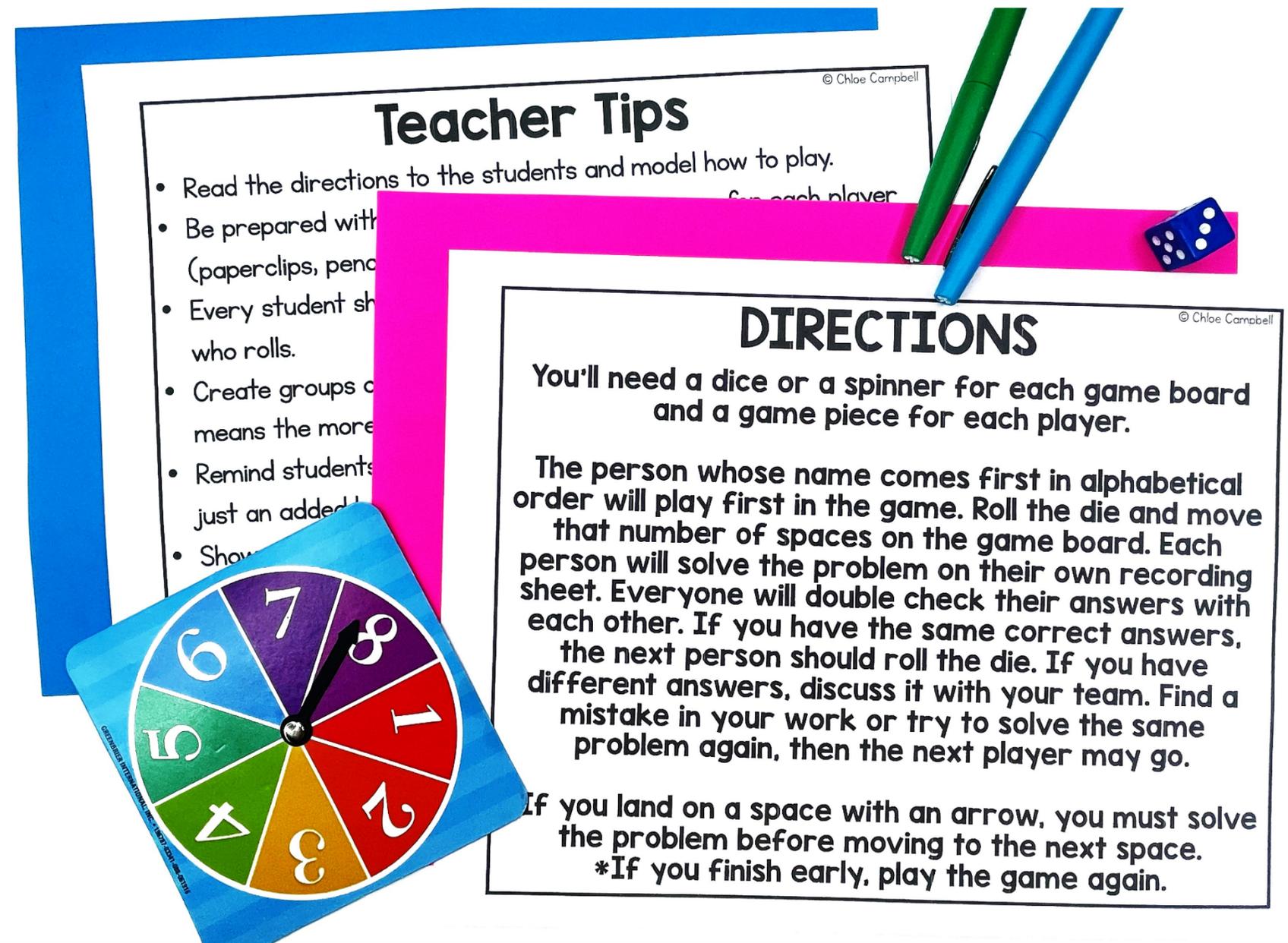
8 Determine the number of solutions represented by the graph.

5 Determine the number of solutions represented by the graph.

3 Determine the number of solutions represented by the graph.

You'll Receive

- ★ Teacher Tips
- ★ Student Directions
- ★ Printable Math Board Game
- ★ Recording Sheet
- ★ Answer Key



Student Recording Sheet

System of Linear Equations

START solve a problem! skip ahead two spaces solve a problem! go back three spaces solve a problem! solve a problem!

skip ahead two spaces solve a problem! skip ahead three spaces go back three spaces solve a problem! skip ahead three spaces

go back two spaces solve a problem! solve a problem! solve a problem!

solve a problem! solve a problem! go back two spaces FINIS solve a problem! solve a problem!

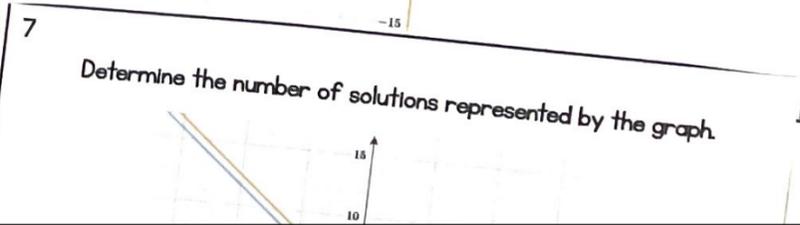
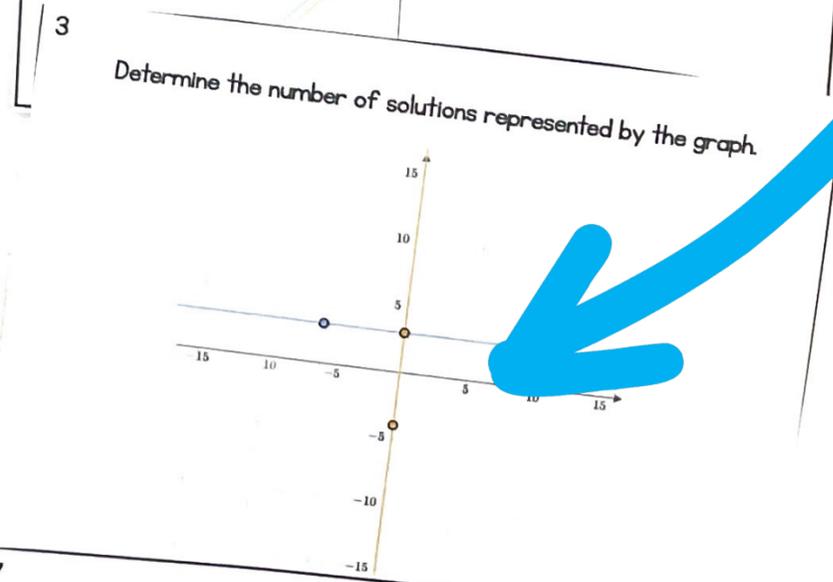
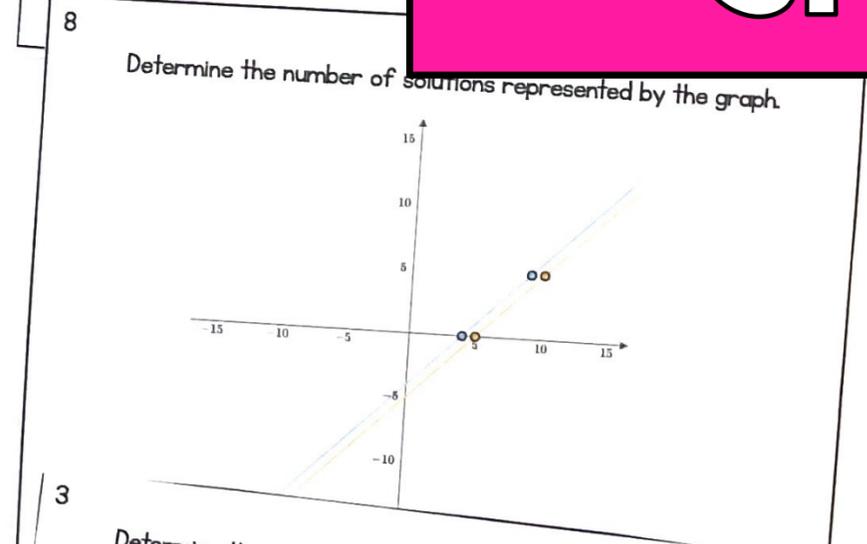
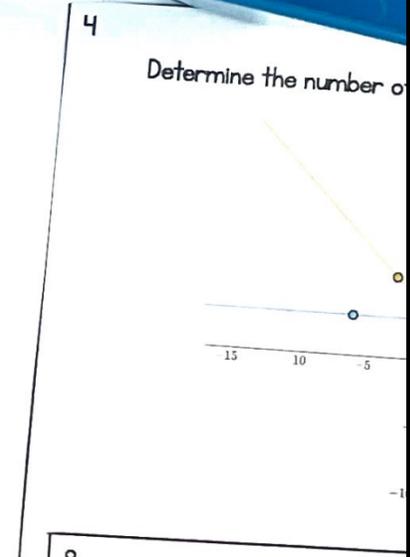
go back two spaces solve a problem! solve a problem! solve a problem!

go back three spaces solve a problem! solve a problem!

go back two spaces solve a problem!

Name _____ **System of Linear Equations Recording Sheet**

1	2	3	4
1 solution	1 solution	1 solution	1 solution
5	6	7	8
1 solution	No solution	No solution	No solution
9	10	11	12
No solution	No solution	No solution	No solution
13	14	15	16



HAPPY TEACHERS SAID...

This was a hit during centers. All students were engaged, and better yet - learning! Love this!

My students love playing games and a simple, easy prep game like this is a great addition to math centers, early finisher activities, and review days.

These are great for small group stations! What a fun task card adaptation. Students get to play a fun and competitive board game, but they also get to practice learning. Plus, the recording sheet makes it easy to grade and monitor student progress; they aren't just playing they are actively learning and participating with evidence of ability. Great resource!

What's the Best Way to Use this Game?

- ✓ Math Centers or Stations
 - ✓ Whole Group Practice
 - ✓ Morning Work
 - ✓ Partner Activity
 - ✓ Early Finisher Tasks
 - ✓ Substitutes

Tips for Playing Math Games:

- ★ Read the directions to the students and model how to play.
- ★ Be prepared with dice/spinner and game pieces for each player (paperclips, pencil top erasers, pieces from another game, etc.)
- ★ Every student should solve every problem - not just the person who rolls.
- ★ Create groups of 2-4 students. The lower number of students means the more focused students are while playing.

Tips for Playing Math Games:

- ★ Remind students that the focus is not playing the game...that's just an added bonus! The focus should be on practicing the math skills.
- ★ Show students how to compare and discuss answers. Did you both get the same answer? If students get different answers, ask them to solve the problem using a different strategy or help coach each other through the problem.

Why Board Games?

Research shows that challenge-based gamification in the classroom lead to an increase of 34.755% in student performance

(ScienceDirect, 2020).

Students won't even realize they are learning!

The image displays a collection of educational materials designed to teach systems of linear equations in a game-like format. At the top, a blue banner contains the text "Students won't even realize they are learning!". Below this, a board game titled "System of Linear Equations" is shown. The board is a grid of squares with various instructions such as "solve a problem!", "skip ahead two spaces", and "go back three spaces". A central square is labeled "System of Linear Equations". Several colored beads (green, yellow, blue) are placed on the board, and arrows point to specific squares. To the left of the board is a small potted succulent. To the right, three worksheets are visible, each with a graphing problem: "Determine the number of solutions represented by the graph." Each graph shows two lines on a coordinate plane. Below the board game is a "System of Linear Equations Recording Sheet" with a grid for recording answers. A pink pen is resting on the sheet. The recording sheet has handwritten answers in blue ink. To the right of the recording sheet, the bottom portion of the worksheets is visible, showing more graphing problems.

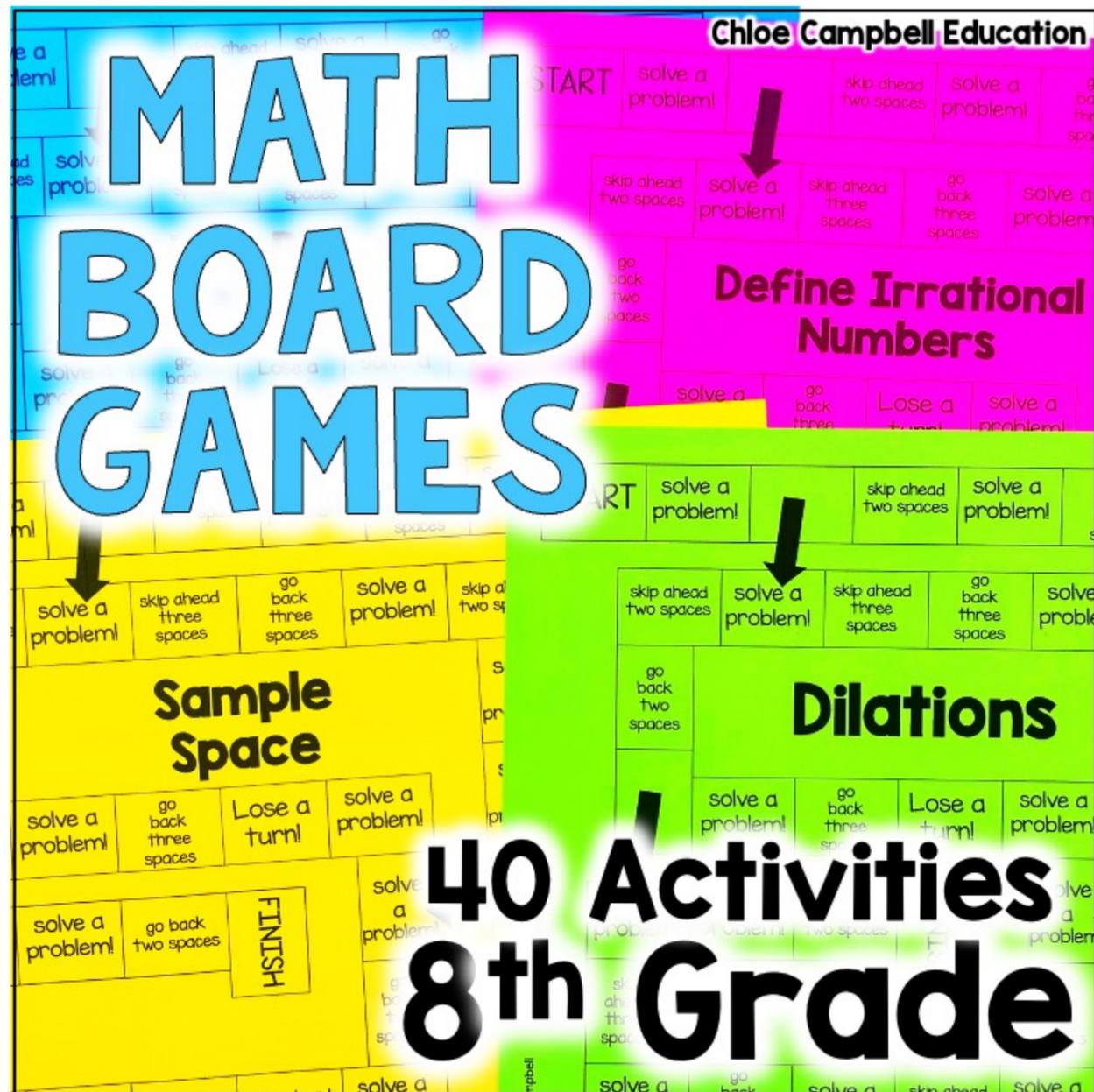
System of Linear Equations Recording Sheet

1	2	3	4
1 solution	1 solution	1 solution	1 solution
5	6	7	8
1 solution	No solution	No solution	No solution
9	10	11	12
No solution	No solution	No solution	No solution
13	14	15	16

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and student
achievement increase!

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