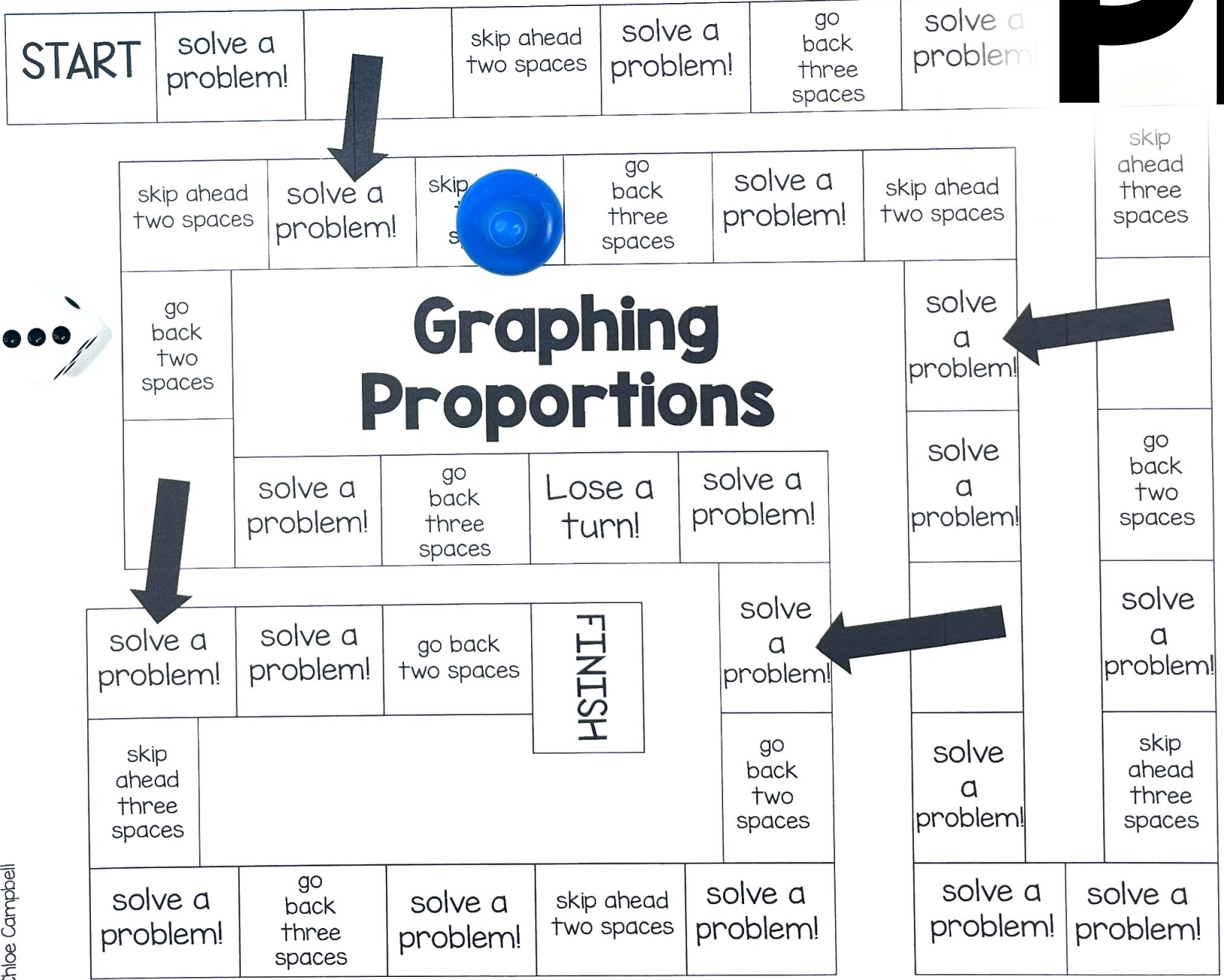
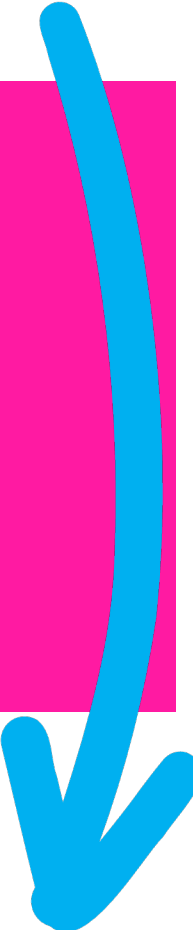


Graphing Proportions



SCROLL
to take a look inside!



20 Problems Included:



10

Graph the relationship given in the following table.

x	y
1	6
3	8
5	10
7	12

9

Graph the relationship given in the following table.

x	y
1	3
2	6
3	9
4	12

12

A quantity, y , is always 9 less than a quantity, x .
Represent this situation on the graph below.

14

A quantity, y , is always 5 more than a quantity, x .
Represent this situation on the graph below.

11

A quantity, y , is proportional to a quantity, x . It decreases by 3 for every increase of 2 units in x .
Represent this situation on the graph below.

13

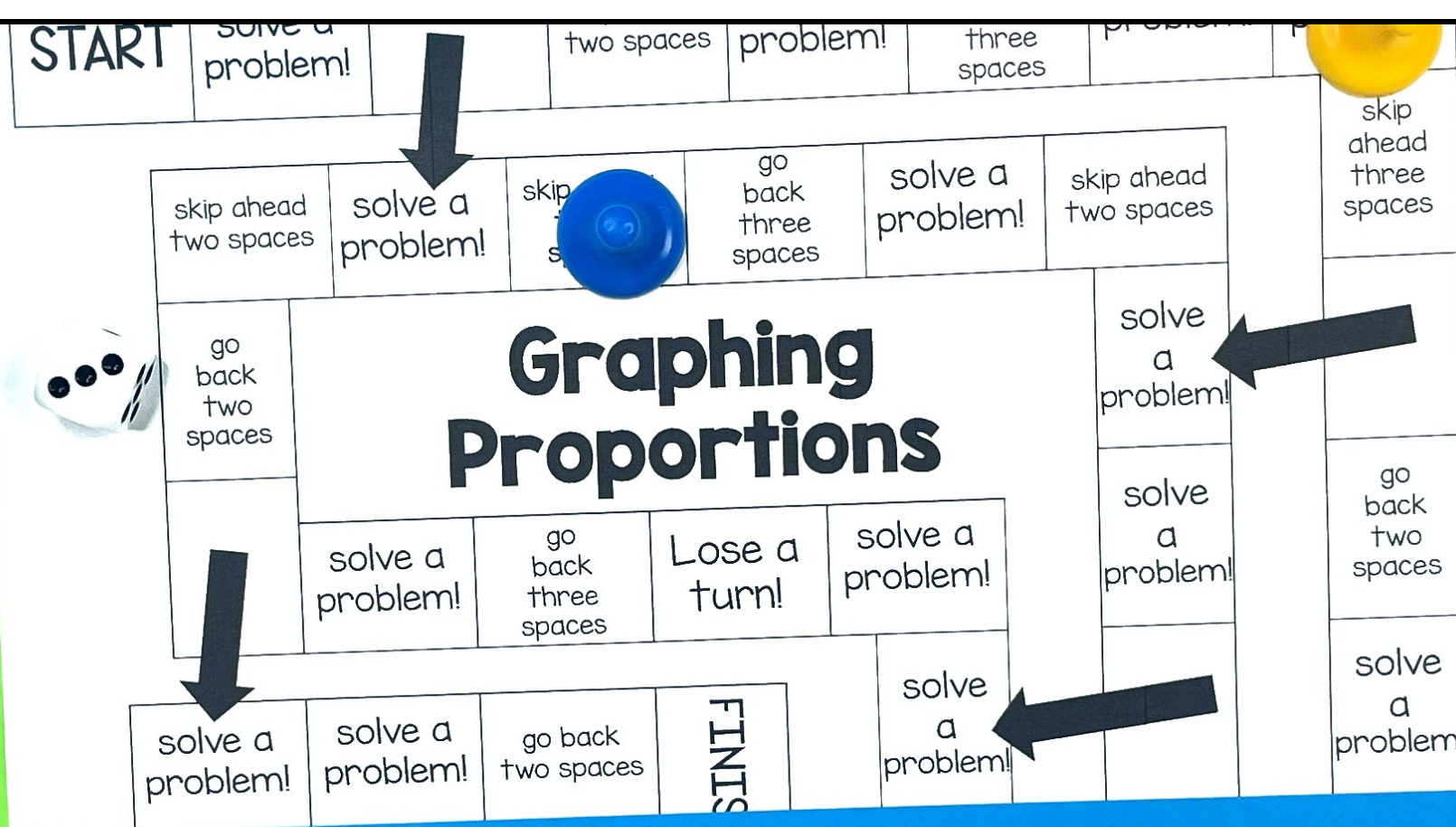
A quantity, y , is always 2 less than a quantity, x .
Represent this situation on the graph below.

You'll Receive

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



Student Recording Sheet



Graphing Proportions Recording Sheet

Name: _____

1		2	
3		4	

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:

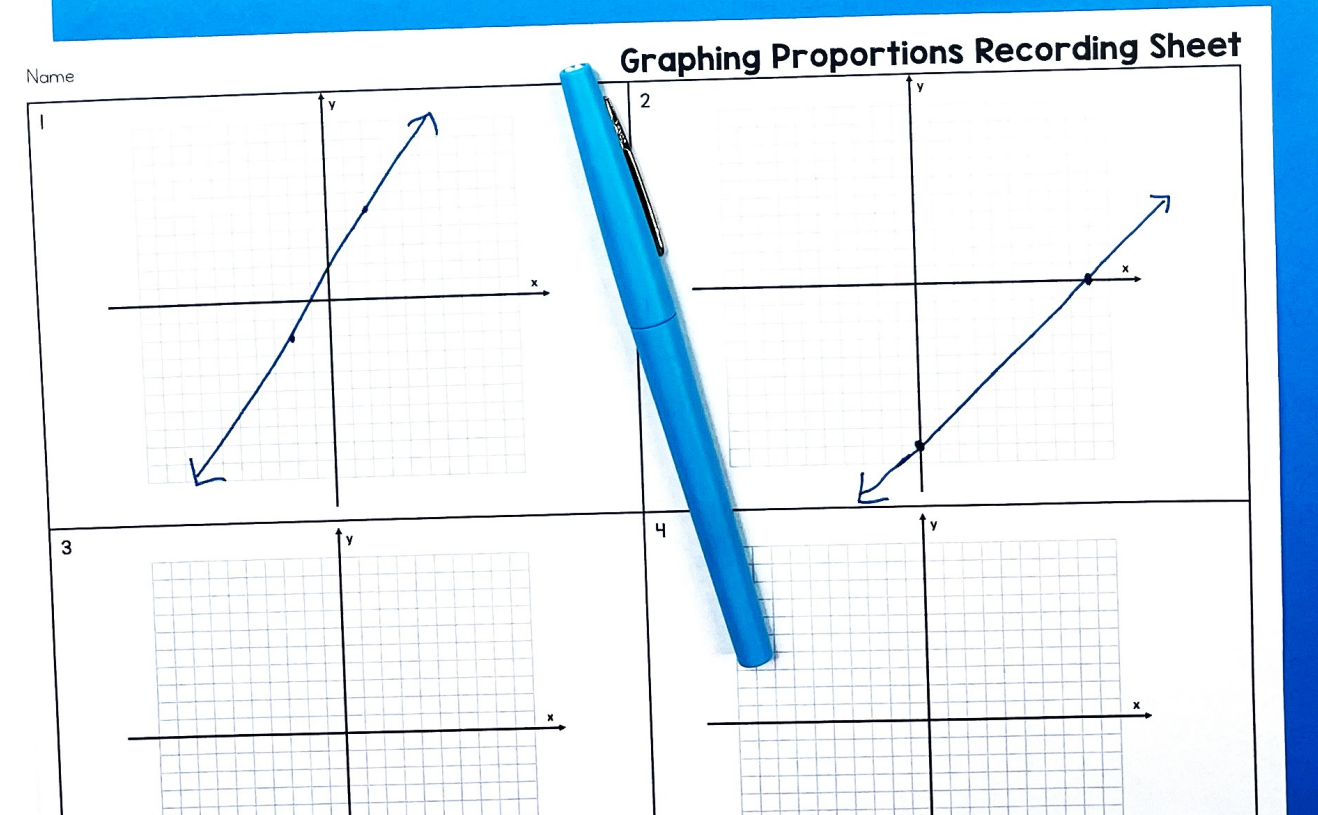
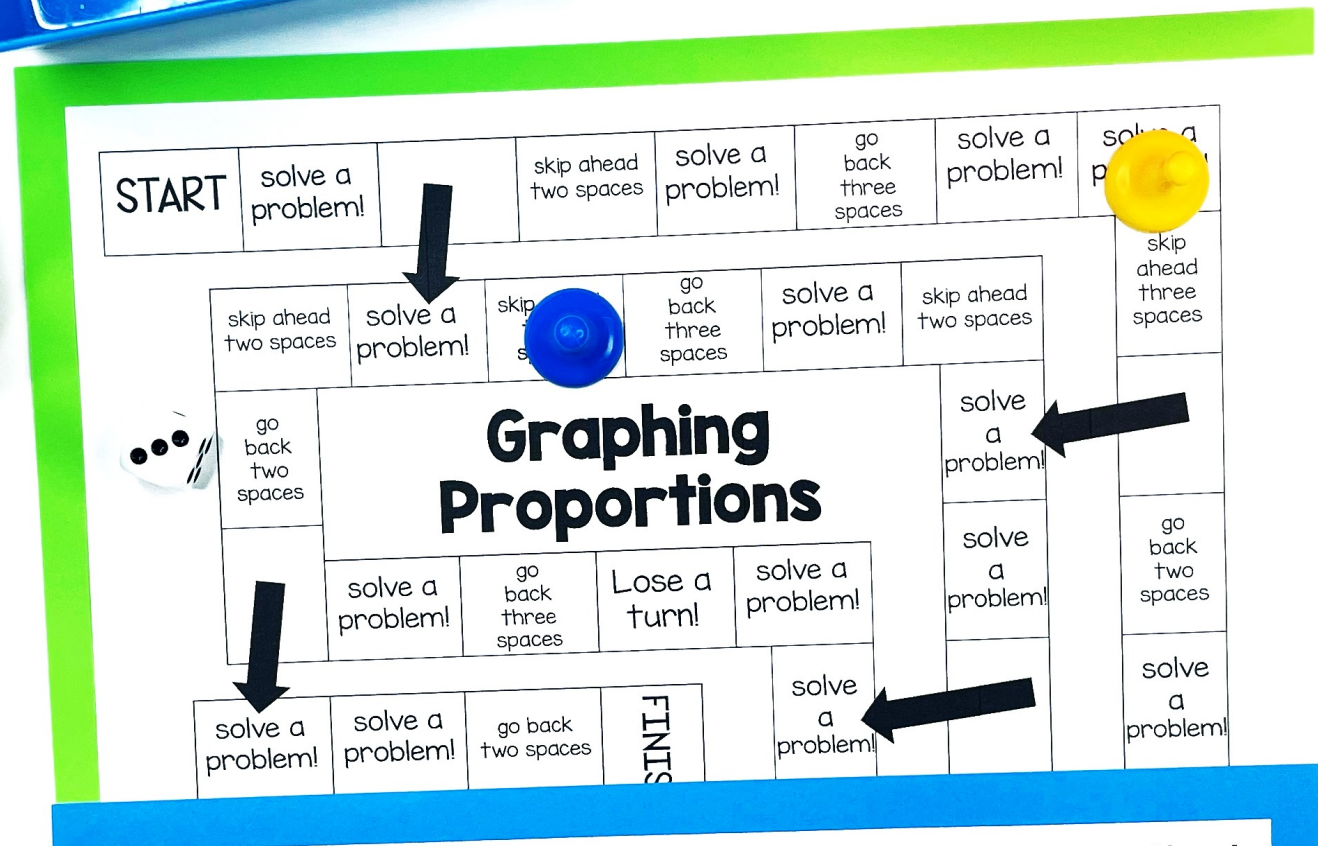
- ★ Remind students that the focus is not playing the game...that's just an added bonus! The focus should be on practicing the math skills.
- ★ Show students how to compare and discuss answers. Did you both get the same answer? If students get different answers, ask them to solve the problem using a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

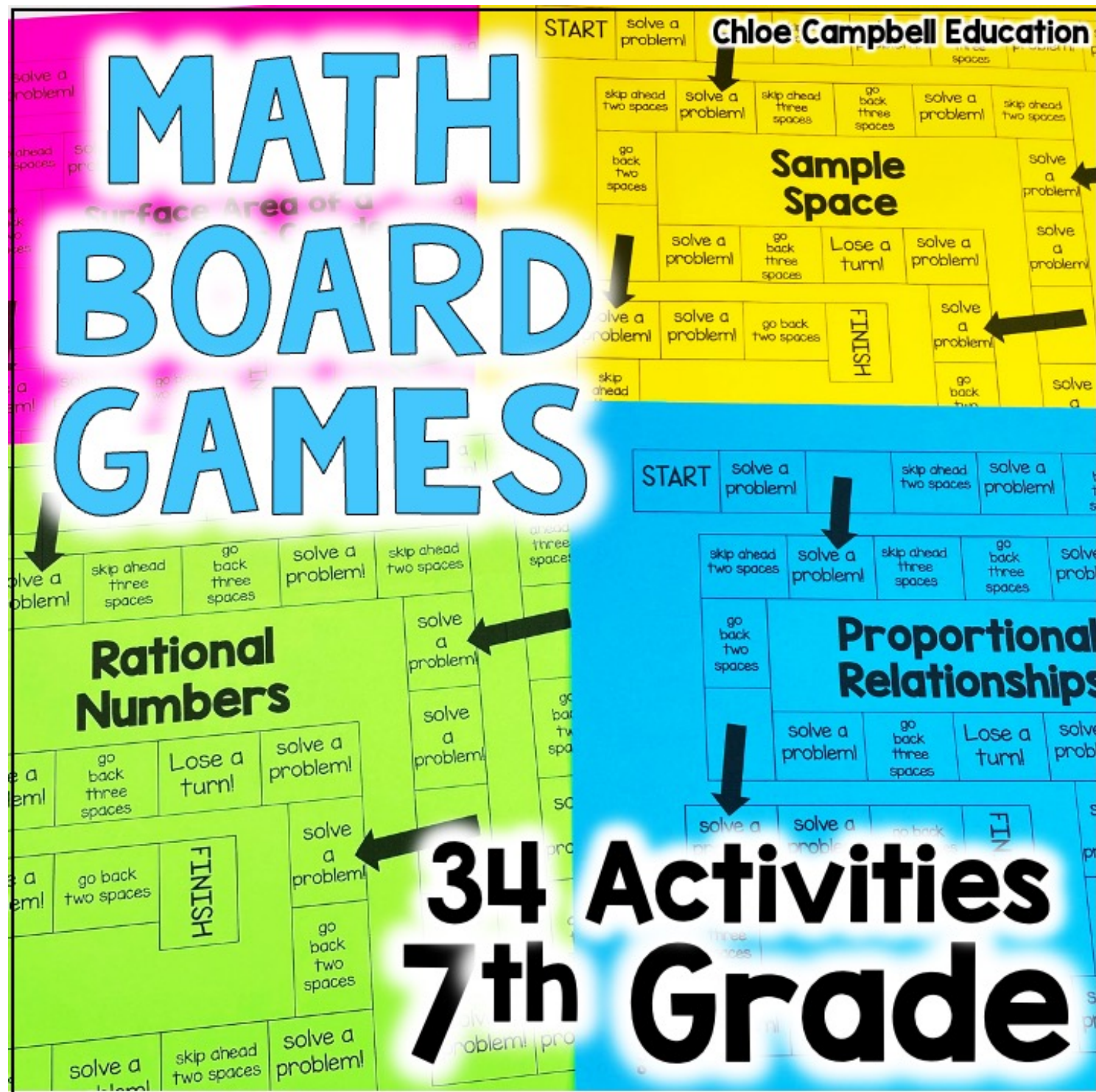
Students
won't
even
realize
they are
learning!



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