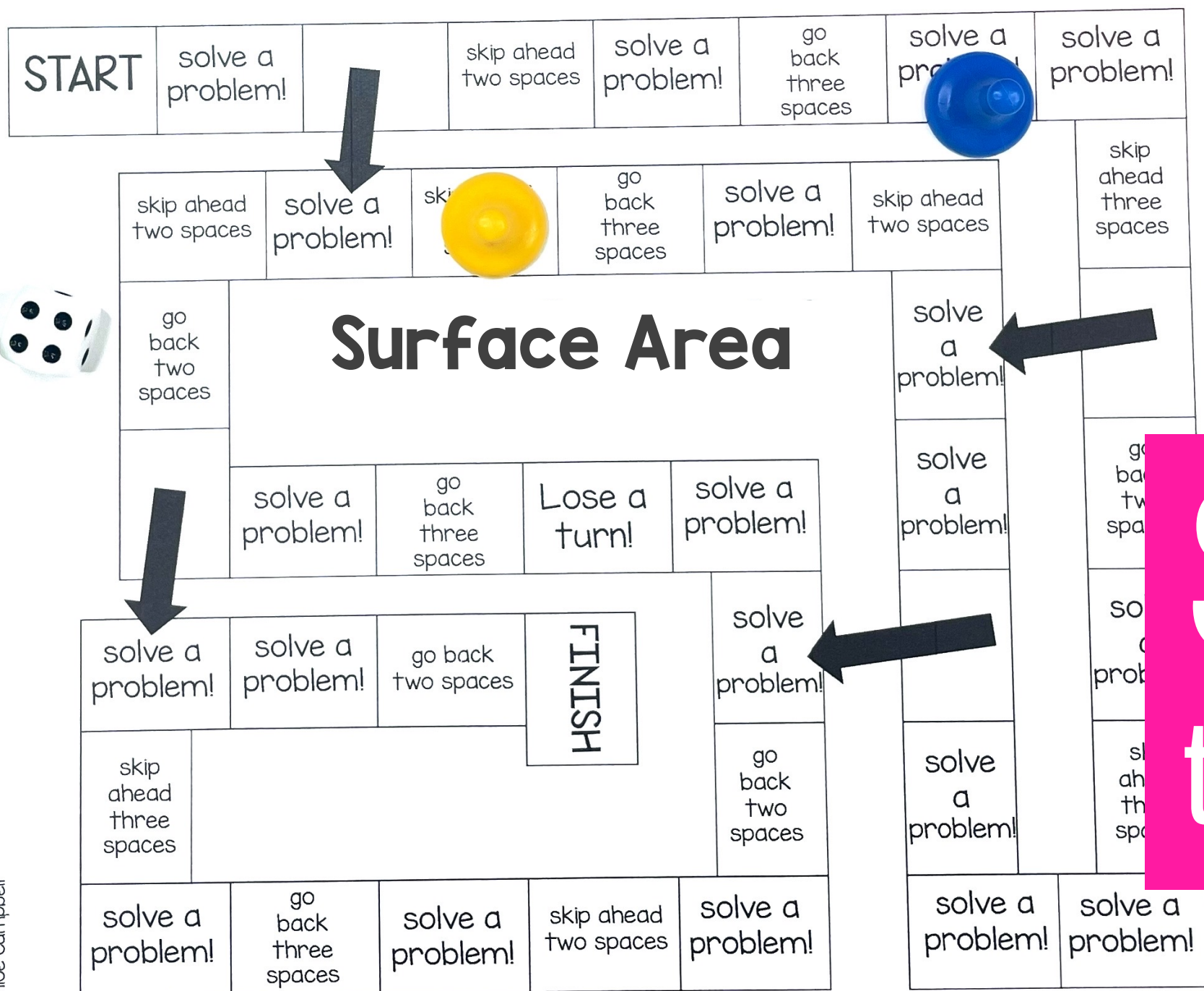
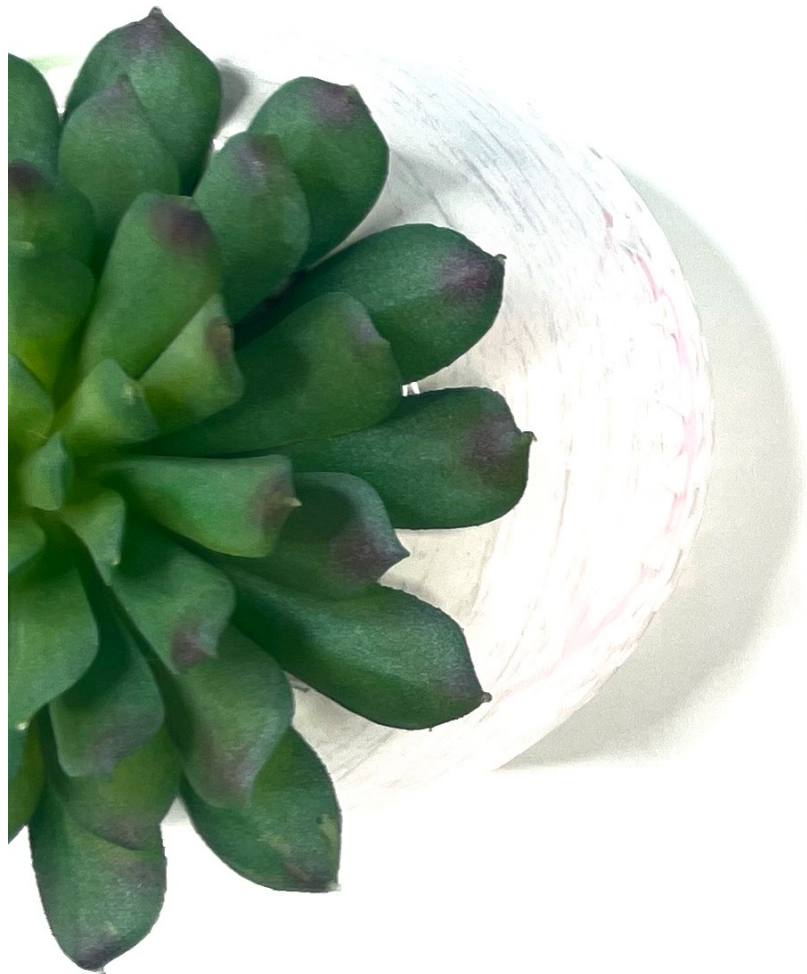


Surface Area



SCROLL
to take a look inside!

20 Problems Included:



8

Find the surface area of a rectangular prism with a length of 7 centimeters, a width of 11 centimeters, and a height of 6 centimeters.

6

Kayden's small Christmas tree has a skirt under it that covers a circular area under the tree. If the skirt has a radius of 5 inches, how much of the floor does it cover in total? Round your answer to the nearest tenths place.

5

A phone tower provides cell service to phones within a circular area around it. If the distance from the tower (which is at the center of this area) to the edge of its coverage is 3 kilometers, what is the total area within which the tower provides cell service? Round your answer to the nearest tenths place.

7

Find the surface area of a rectangular prism with a length of 11 millimeters, a width of 11 millimeters, and a height of 5 millimeters.

You'll Receive

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



Board game path instructions:

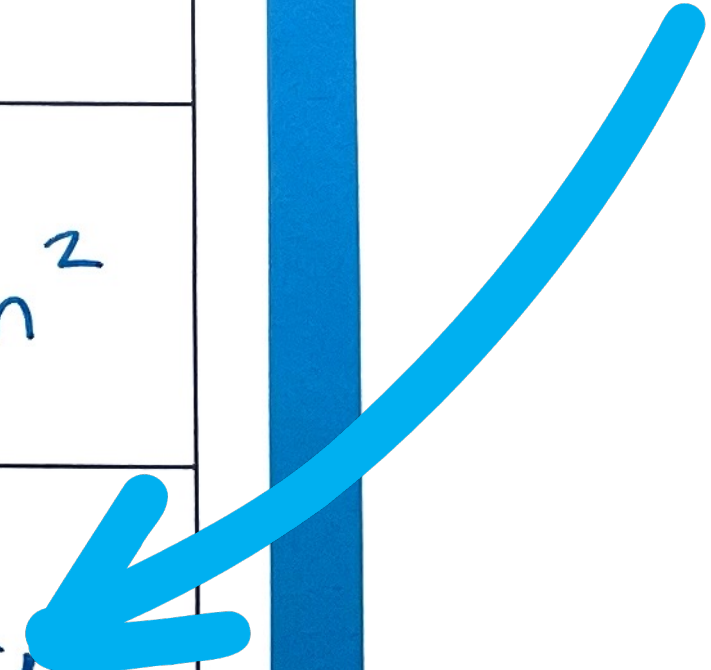
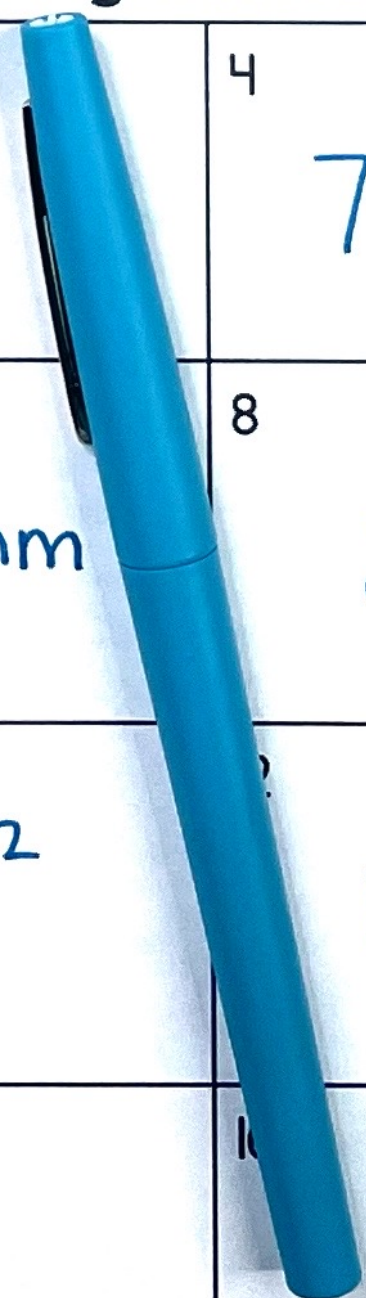
- solve a problem!
- go back three spaces
- Lose a turn!
- solve a problem!
- solve a problem!
- go back two spaces
- FINISH
- solve a problem!

Student Recording Sheet

Name: _____

Area of Geometric Figures Recording

| | | | |
|---------------------------|----------------------------|---------------------------|---------------------------|
| 1 201 ft ² | 2 153.9 km ² | 3 201 in ² | 4 78.5 ft ² |
| 5 28.3 km ² | 6 78.5 in ² | 7 462 mm | 8 370 cm ² |
| 9 576 m ² | 10 468 in ² | 11 550 in ² | 12 81.64 cm |
| 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.

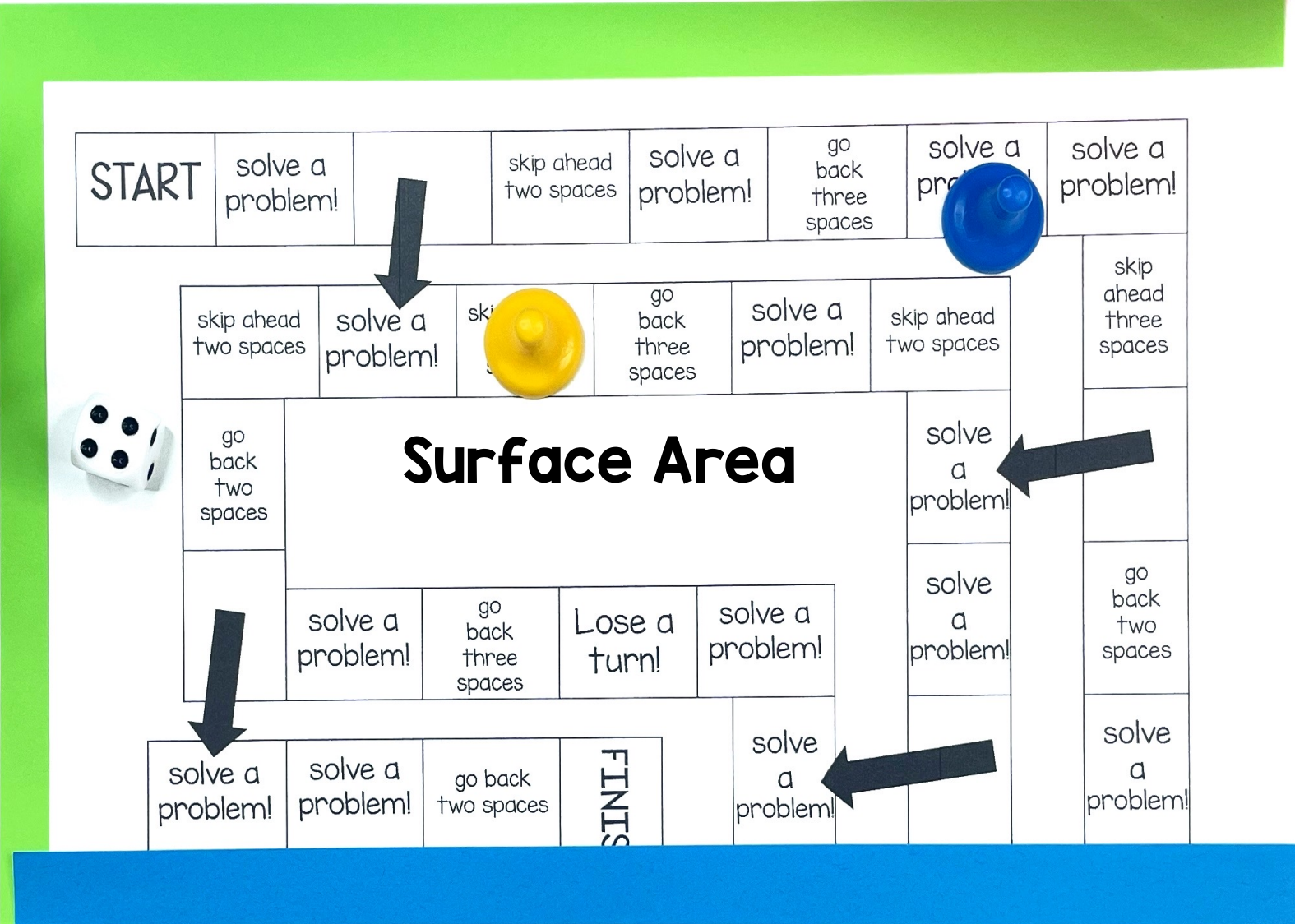
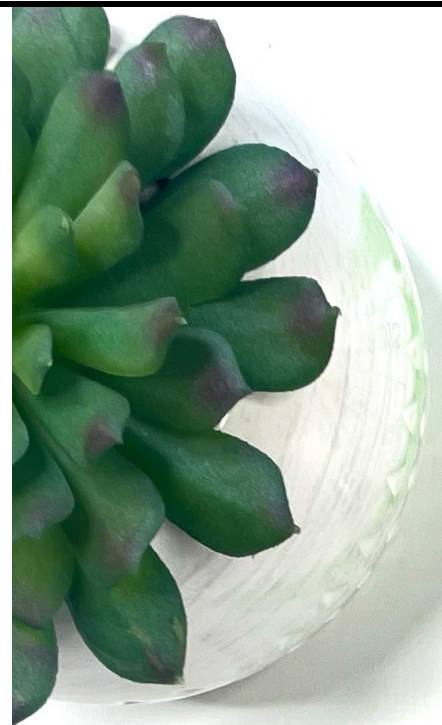
Tips for Playing Math Games:

- ★ 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).



Name: _____

Surface Area Recording Sheet

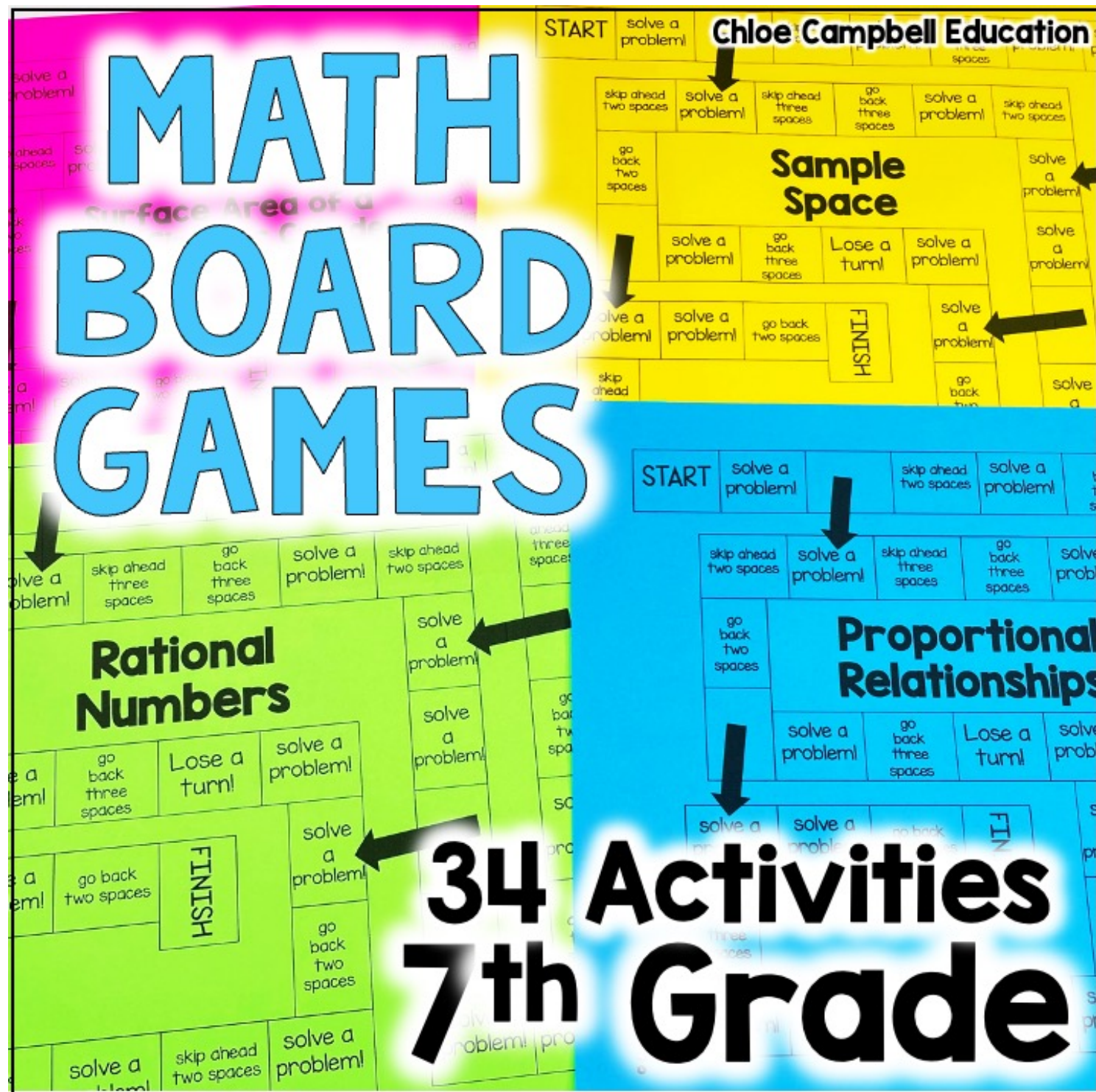
| | | | |
|------------------------|-------------------------|------------------------|--------------------------|
| 1 201ft^2 | 2 153.9km^2 | 3 201in^2 | 4 78.5ft^2 |
| 5 28.3km^2 | 6 78.5in^2 | 7 462mm | 8 370cm^2 |
| 9 576m^2 | 10 468in^2 | 11 550in^2 | 12 81.64cm^2 |
| 13 | 14 | 15 | 16 |

Students
won't
even
realize
they are
learning!

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