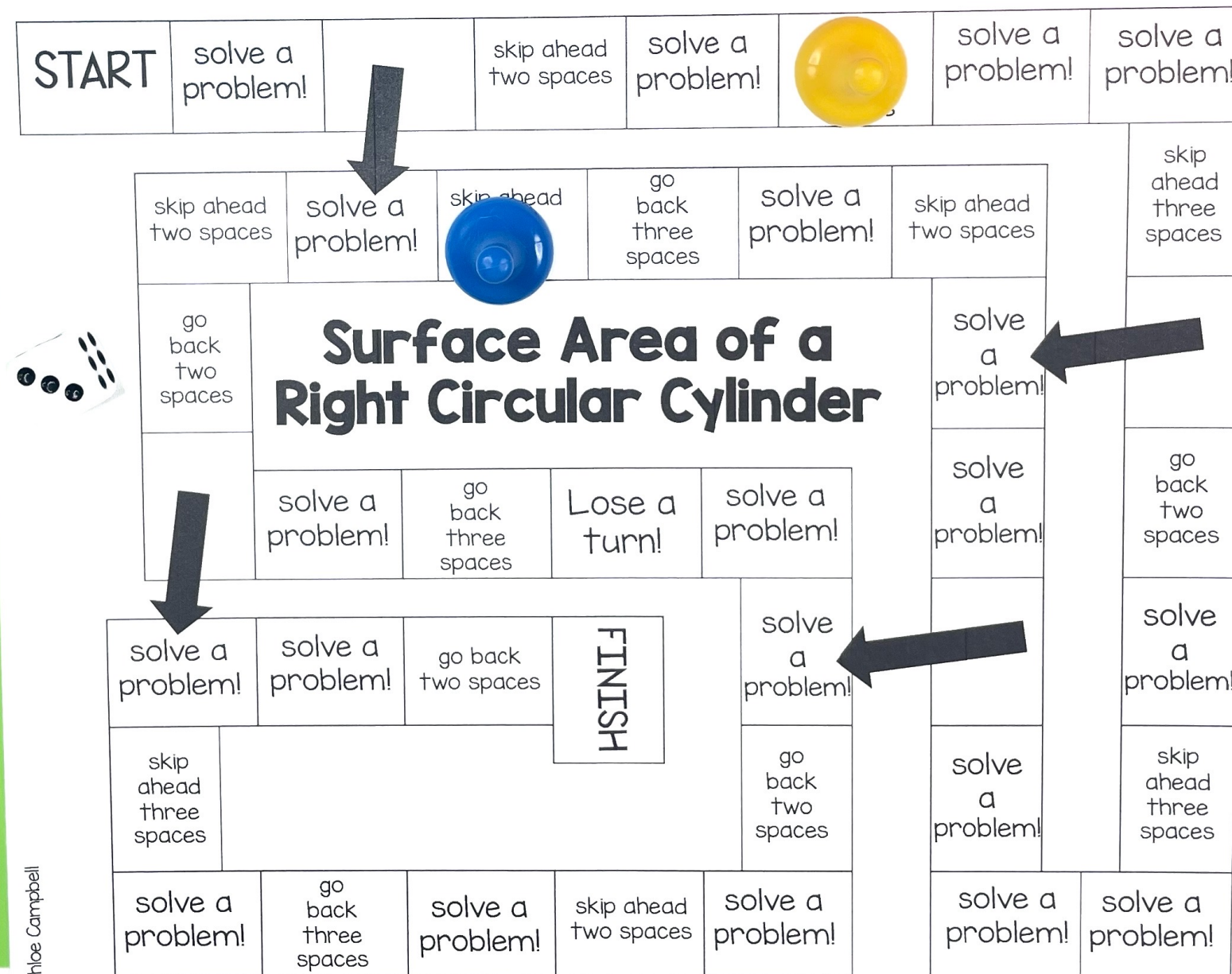


Surface Area of a Right Circular Cylinder

SCROLL
to take a look inside!



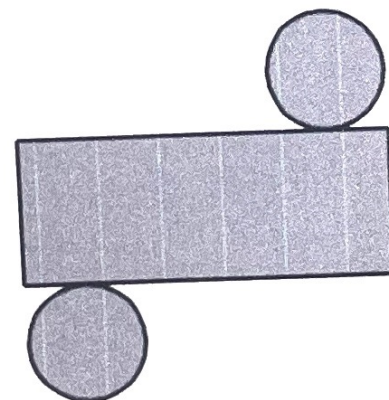
20 Problems Included:

12

Solve for the surface area given the following information.

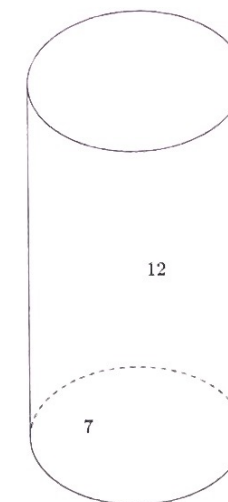
$$\text{radius} = 7$$

$$\text{height} = 14$$



16

Solve for the surface area given the following information.



20

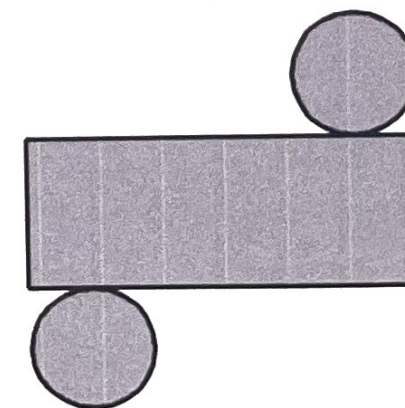
A truck has a stainless-steel cylindrical tank that is 24 feet long and has a radius of 3 feet. What is the total surface area of the steel tank?

10

Solve for the surface area given the following information.

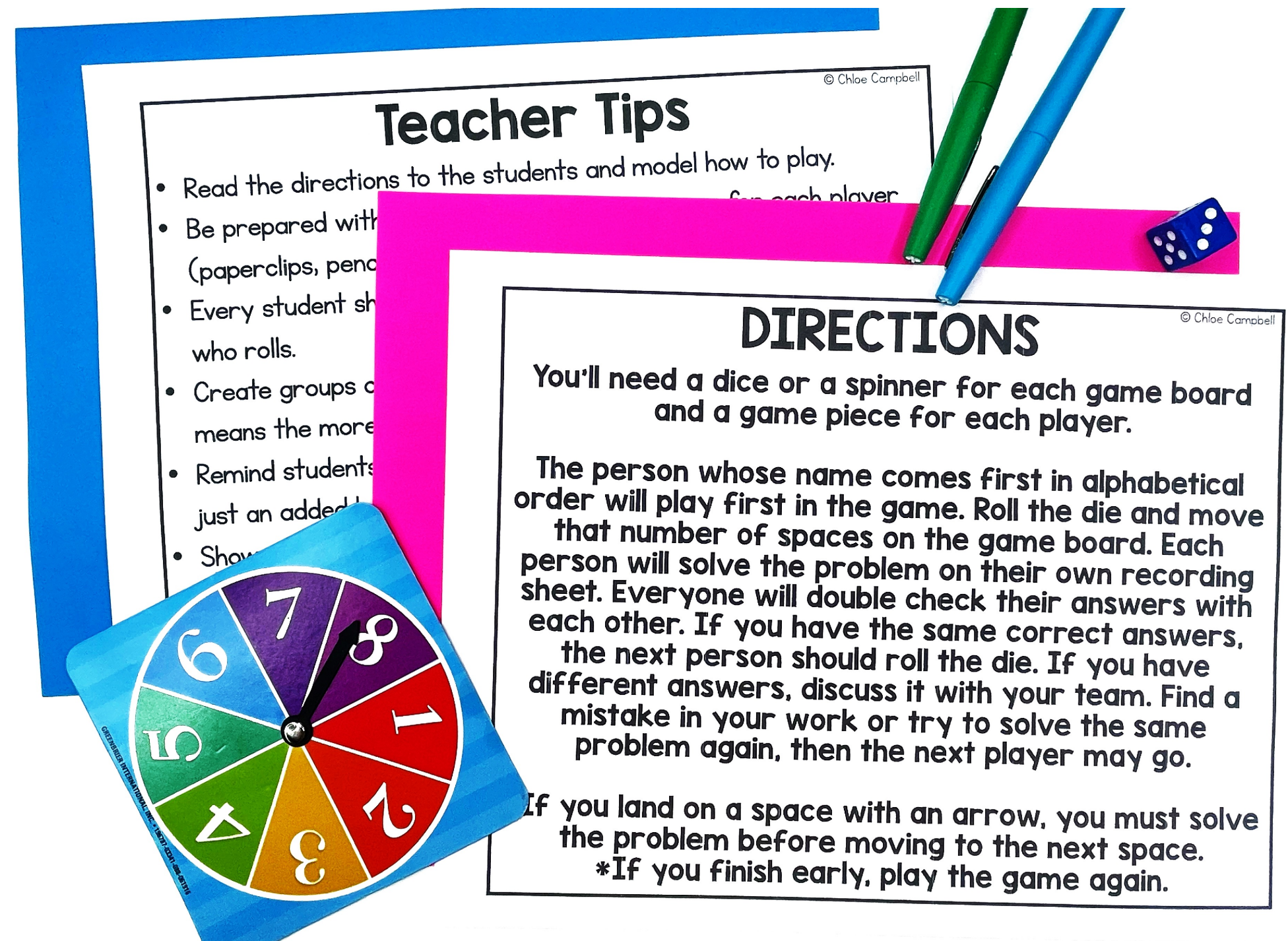
$$\text{radius} = 3$$

$$\text{height} = 17$$

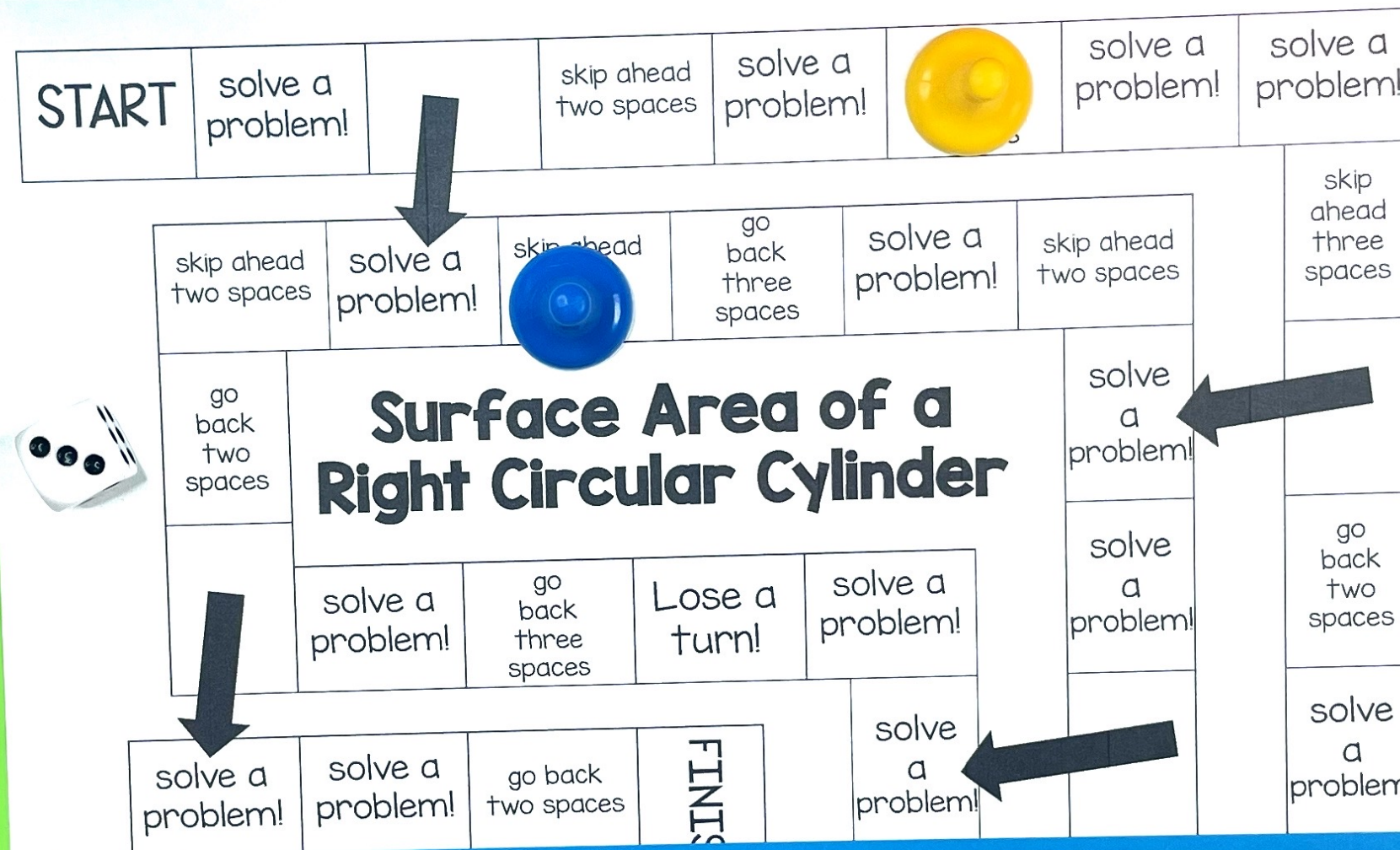


You'll Receive

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



Student Recording Sheet



Name: **Surface Area of a Right Circular Cylinder Recording Sheet**

1 245.04	2 753.98	3 904.78	4 2,211.68
5 534.07	6 1,300.62	7 727.88	8 471.24
9	10	11	12
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:

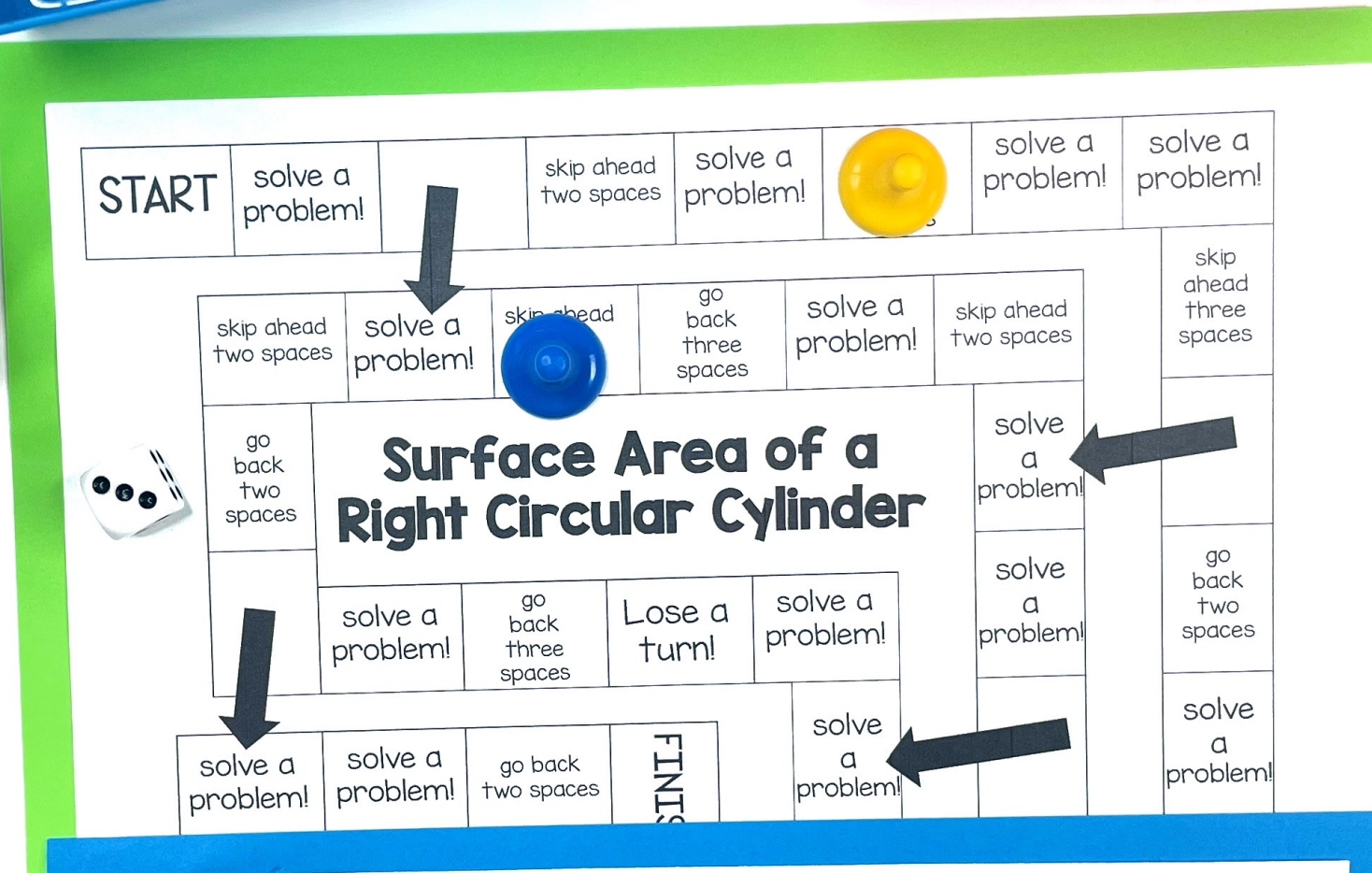
- ★ Remind students that the focus is not playing the game...that's just an added bonus! The focus should be on practicing the math skills.
- ★ Show students how to compare and discuss answers. Did you both get the same answer? If students get different answers, ask them to solve the problem using a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



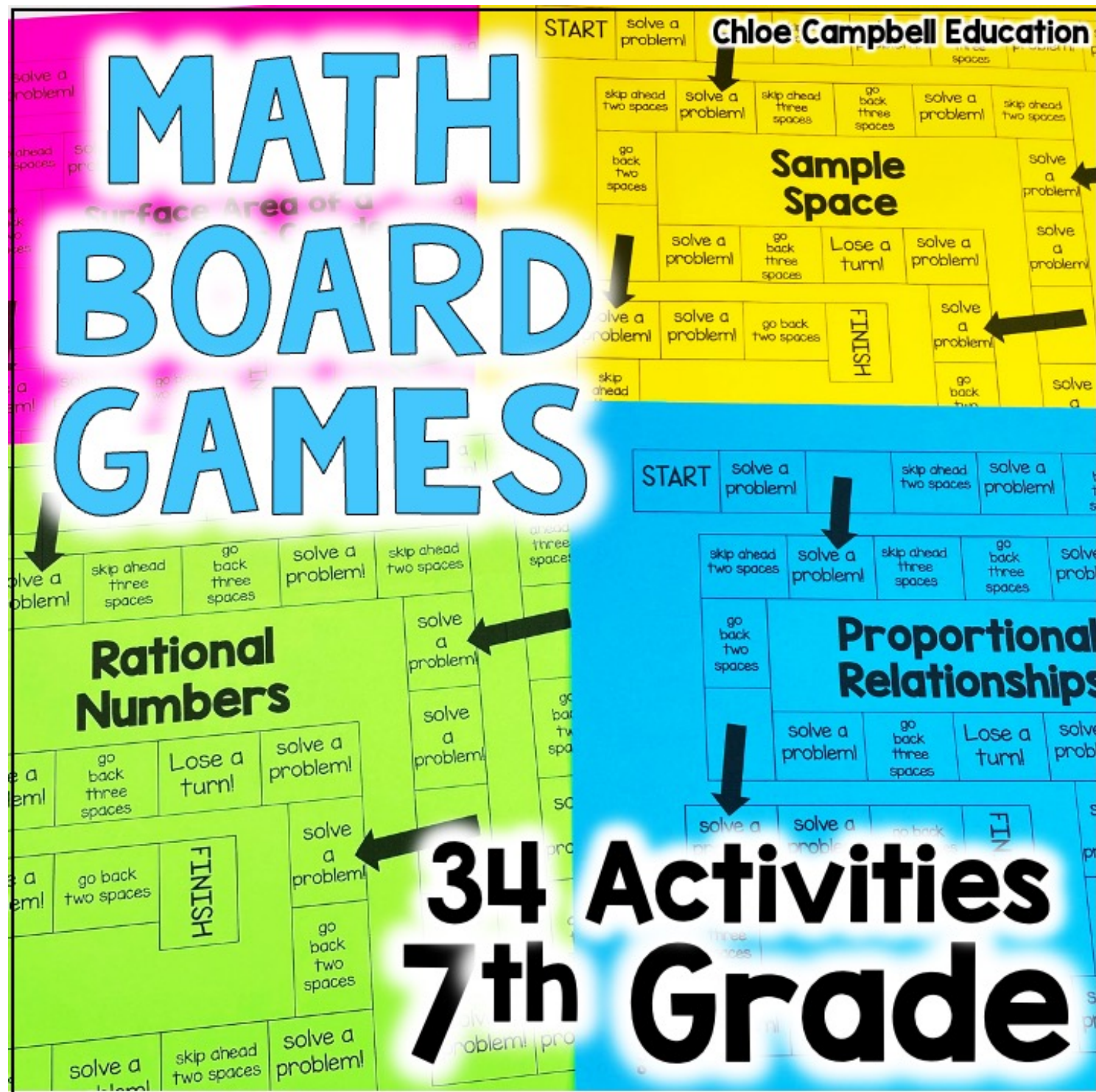
Surface Area of a Right Circular Cylinder Recording Sheet

1	2	3	4
245.04	753.98	904.78	2,211.68
5	6	7	8
534.07	1,300.62	727.88	471.24
9	10	11	12

ADD TO CART

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student engagement
and student
achievement increase!

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