

A blue plastic tray containing several white dice with black pips, used for a math activity.



20 Problems Included:



17
Solve the proportion.
 $0.5/t = 4/24$

15
Devyn played 25 minutes of tennis and scored 20 points. If she plays for 40 minutes today, how many points does she expect to score?

18
Solve the proportion.
 $(5/2)/(3/5) = x/6$

19
Violet can draw 2 sketches in 12 minutes. If she plans to draw for 30 minutes, how many sketches can she complete?

6
Fiona compares milk prices at two different stores. At one store, a 16 oz. container of milk cost \$2.49. At another store, a 32 oz. container of milk cost \$3.59. Do the two stores charge the same price per ounce for milk?

14
Threads Consignment Store offers a rewards system for frequent customers. For every \$15 spent, customers can earn 3 rewards points. If Lydia spent \$225, how many rewards points should she receive?

5
Brian has 5 notebooks for 7 classes. His brother James has 4 notebooks for 6 classes. Do Brian and James have the same proportion of notebooks per class?

10
True or False. In the proportion $8/b = 20/25$, $b=10$.

9
Solve the proportion.
 $3/9 = w/15$

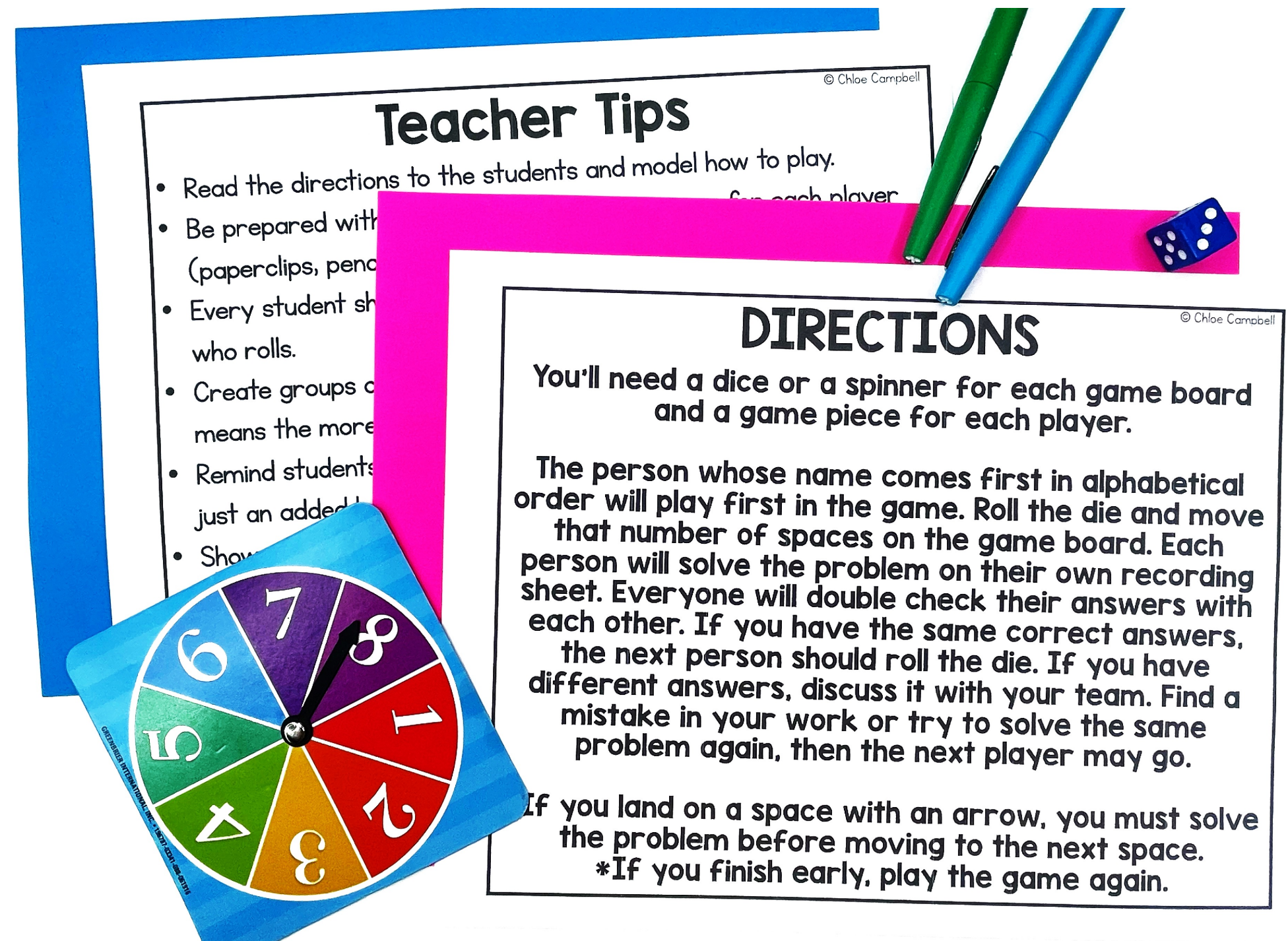
7
Solve the proportion.
 $v/6 = 12/24$

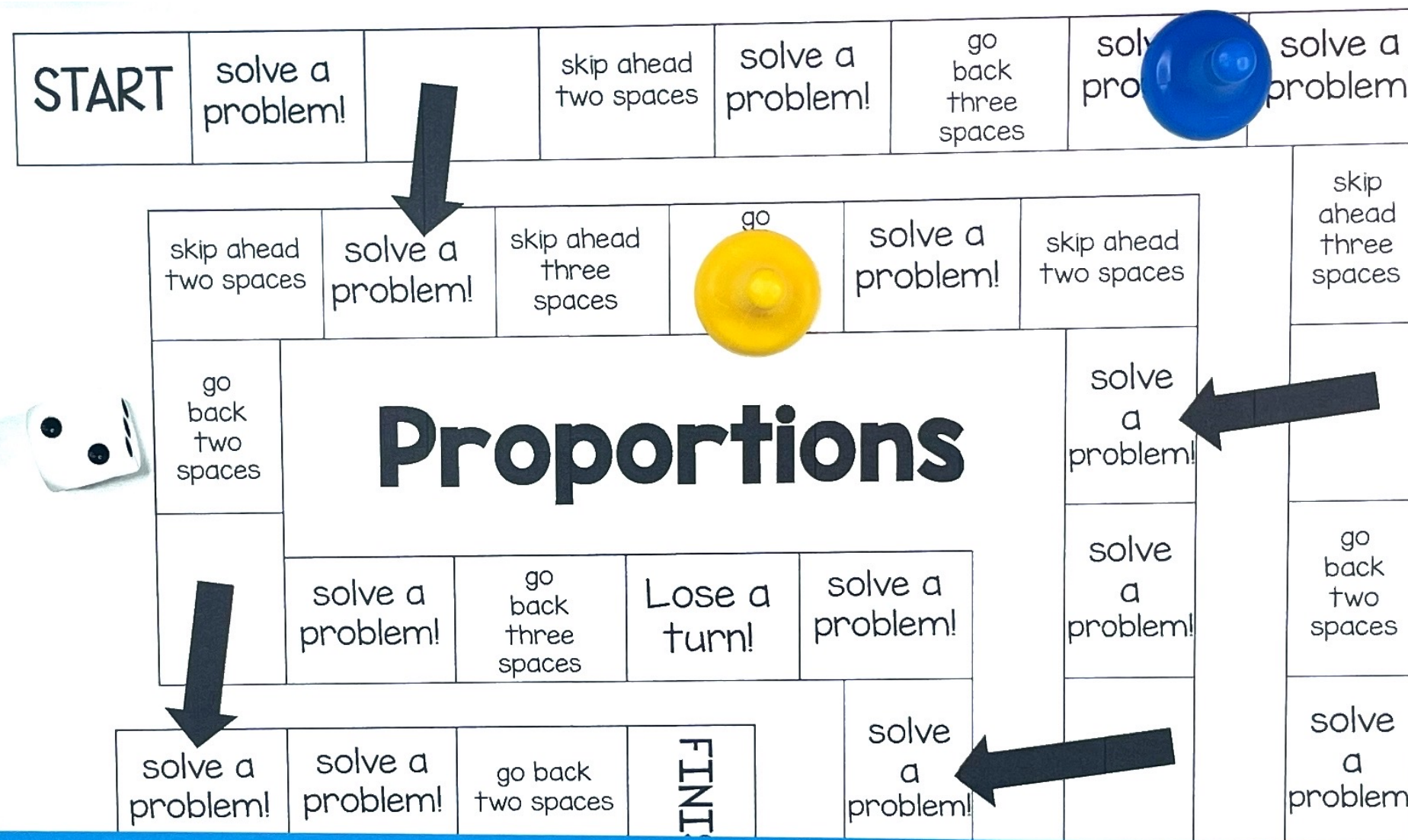
11
Karen and Jim solve the following proportion: $24/30 = k/45$. Karen thinks $k=39$. Jim thinks $k=36$. Who is correct?

13
On average, Sundaes Ice Cream Shop sells 5 sundaes for every 3 customers. If they had 45 customers, how many sundaes did the sell?

You'll Receive

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





Student Recording Sheet

Name: _____

Proportions Recording Sheet

1 No	2 Yes	3 No	4 True
5 No	6 No	7 $V = 3$	8 $t = 4$
9 $W = 5$	10 True	11 Jim	12 $g = 12$

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.

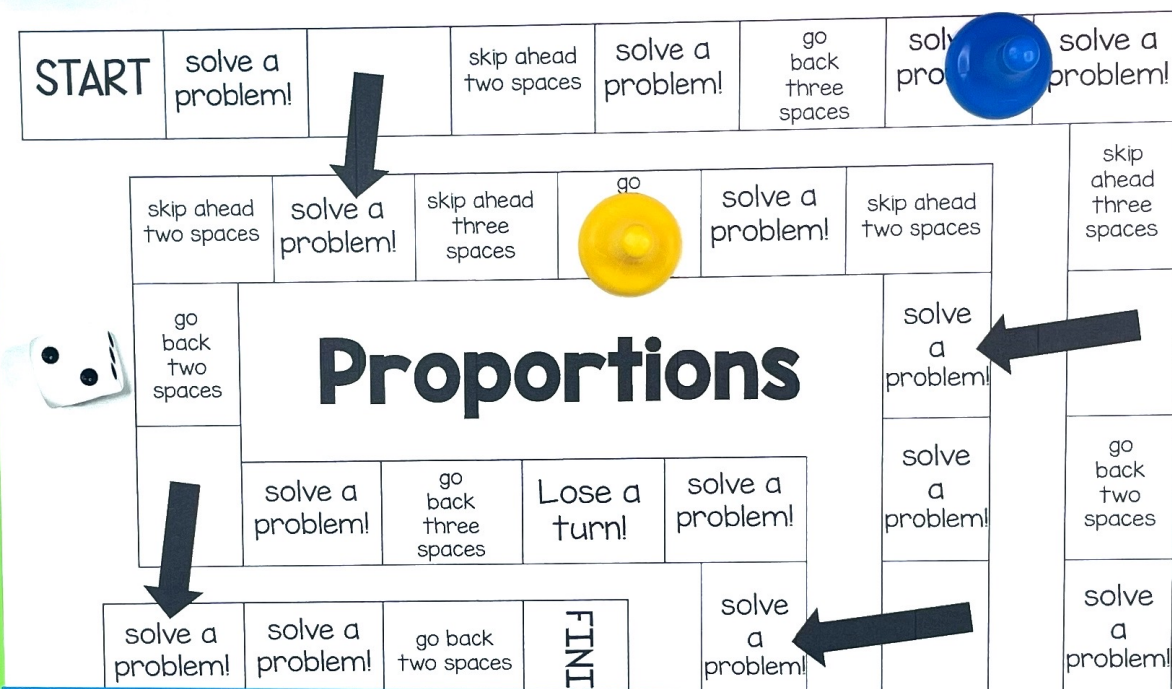
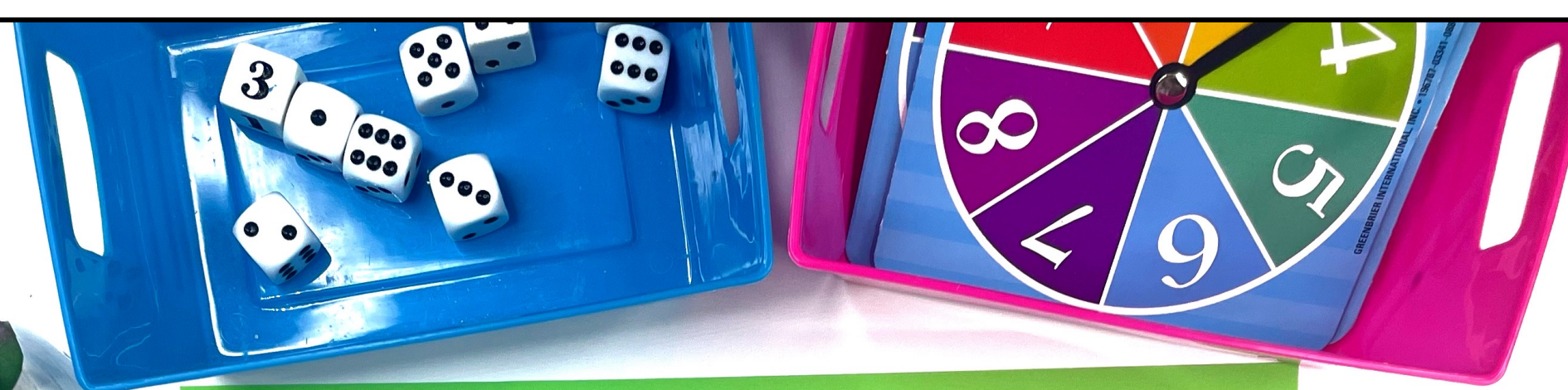
Tips for Playing Math Games:

- ★ 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: _____

Proportions Recording Sheet

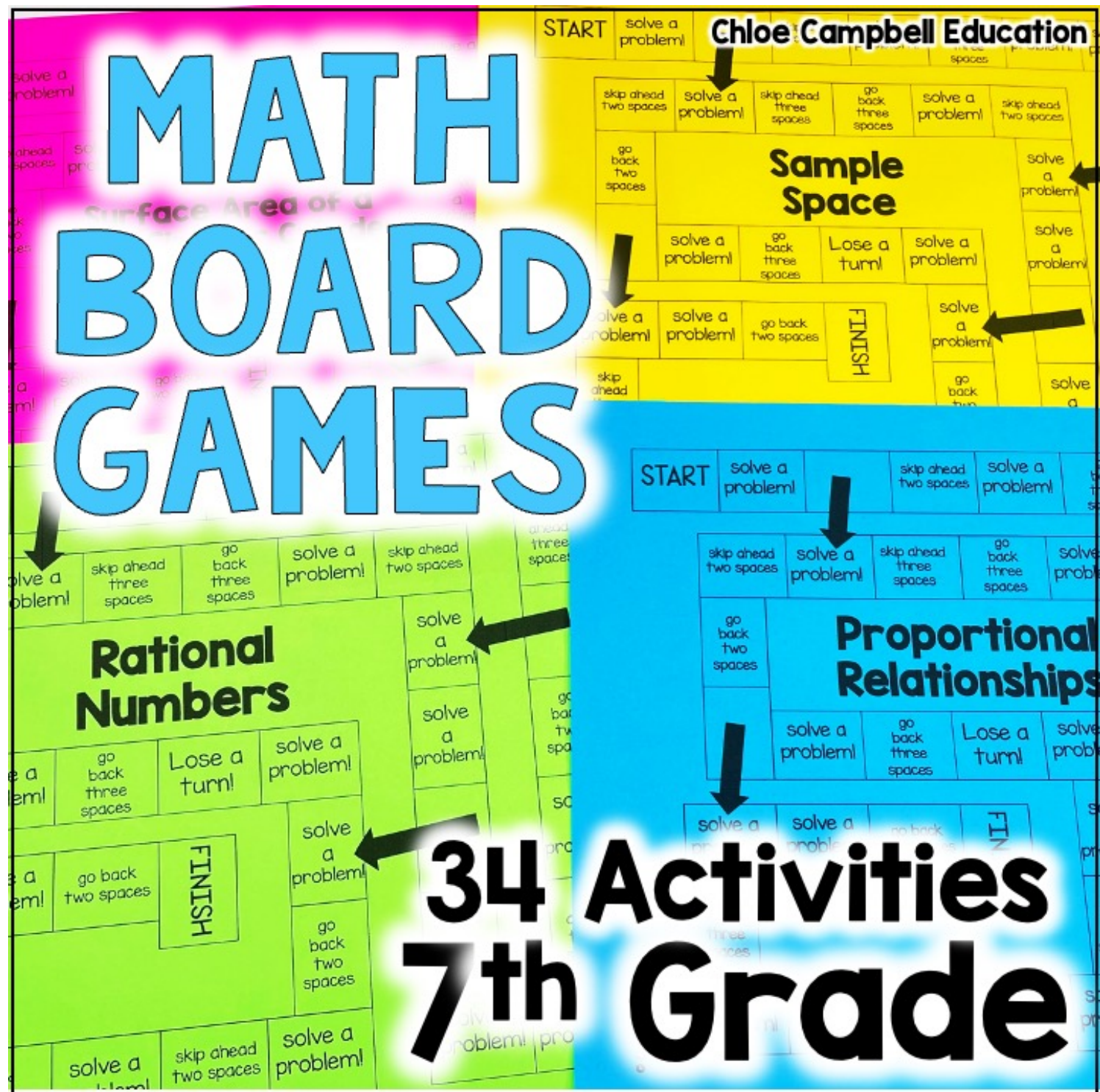
1	No	2	Yes	3	No	4	True
5	No	6	No	7	$V = 3$	8	$t = 4$
9	$W = 5$	10	True	11	Jim	12	$g = 12$
13		14		15		16	
17		18		19		20	

Students
won't
even
realize
they are
learning!

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