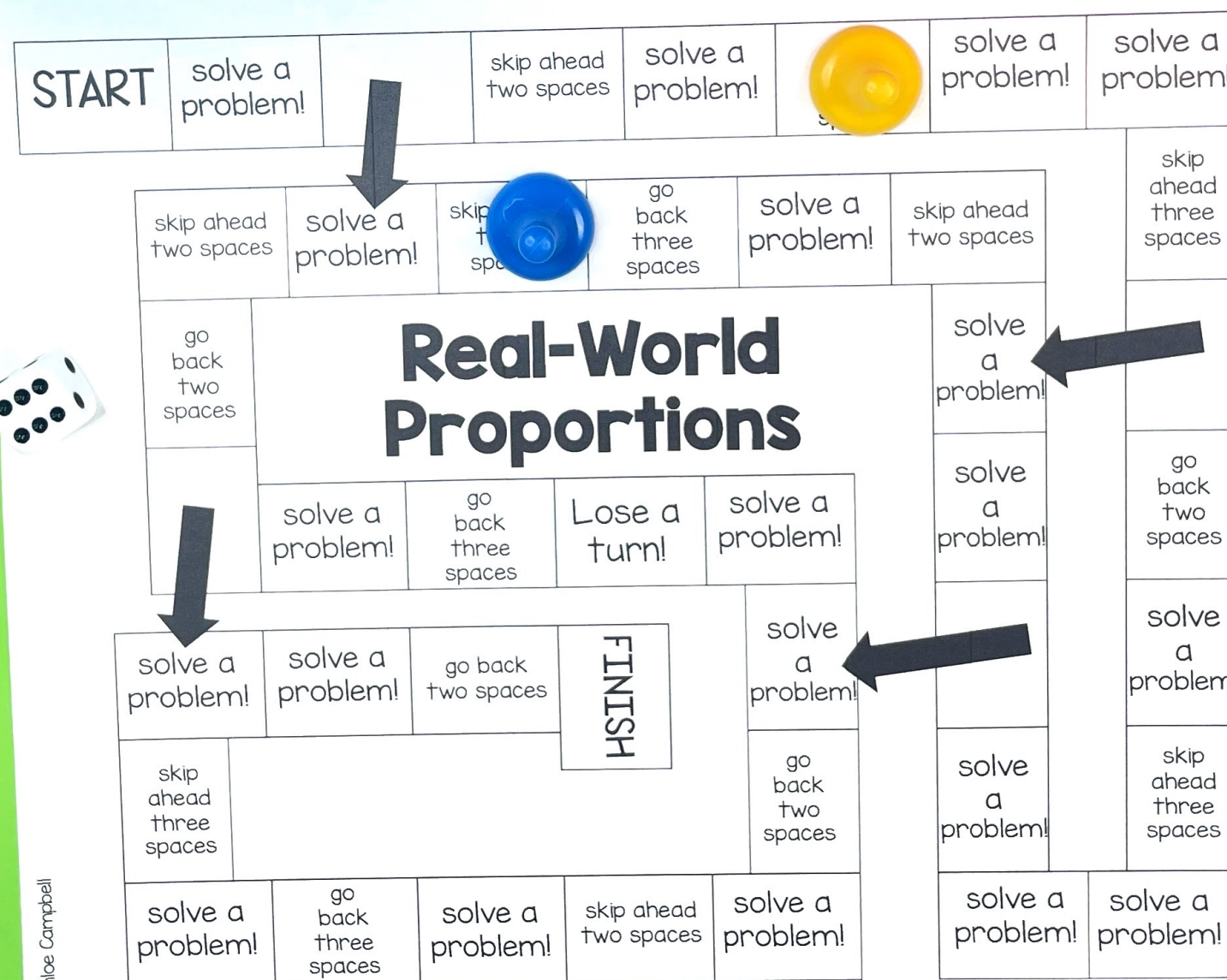
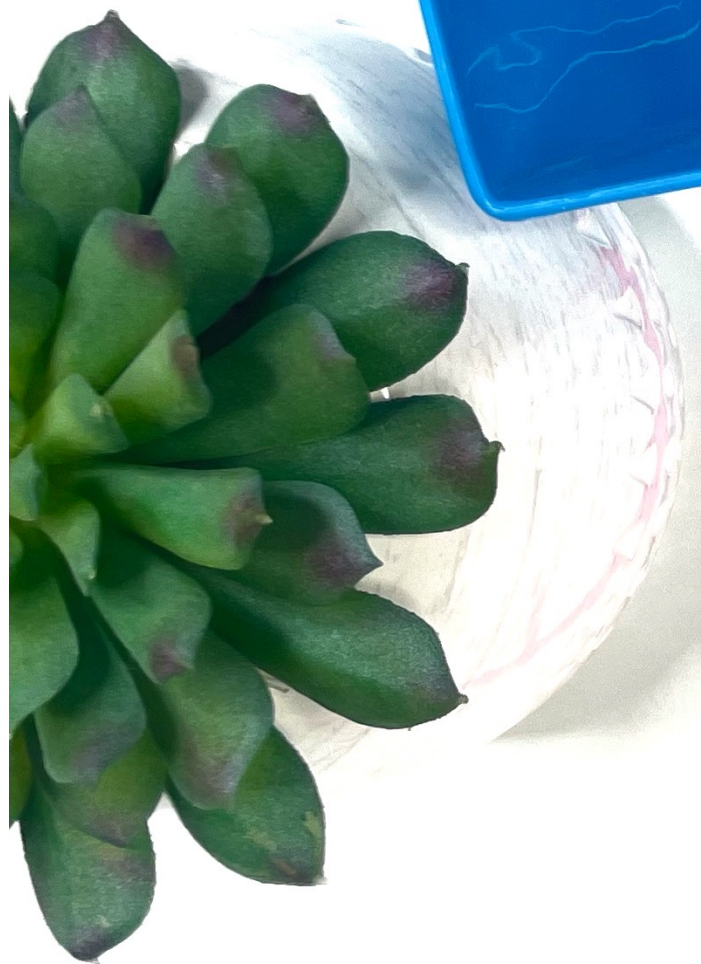


Real World Proportions



SCROLL
to take a look inside!

20 Problems Included:



1

There are 15 students with brown hair and 19 students with black hair in a math class. What is the ratio of students with black hair to students with brown hair? Give your answer in the form of a fraction.

3

Tracy has a shelf in her room filled with books and video games. If her shelf has 37 items total on it, and 26 of the items are books, what is the ratio of books to video games on Tracy's shelf? Give your answer in the form of a fraction.

4

An amusement park charges an admission rate of fifty dollars per adult; each adult can pay a fee of twenty dollars to bring up to four children into the park with them. Is the relationship between the number of children an adult brings to the park and the amount that they spend proportional?

2

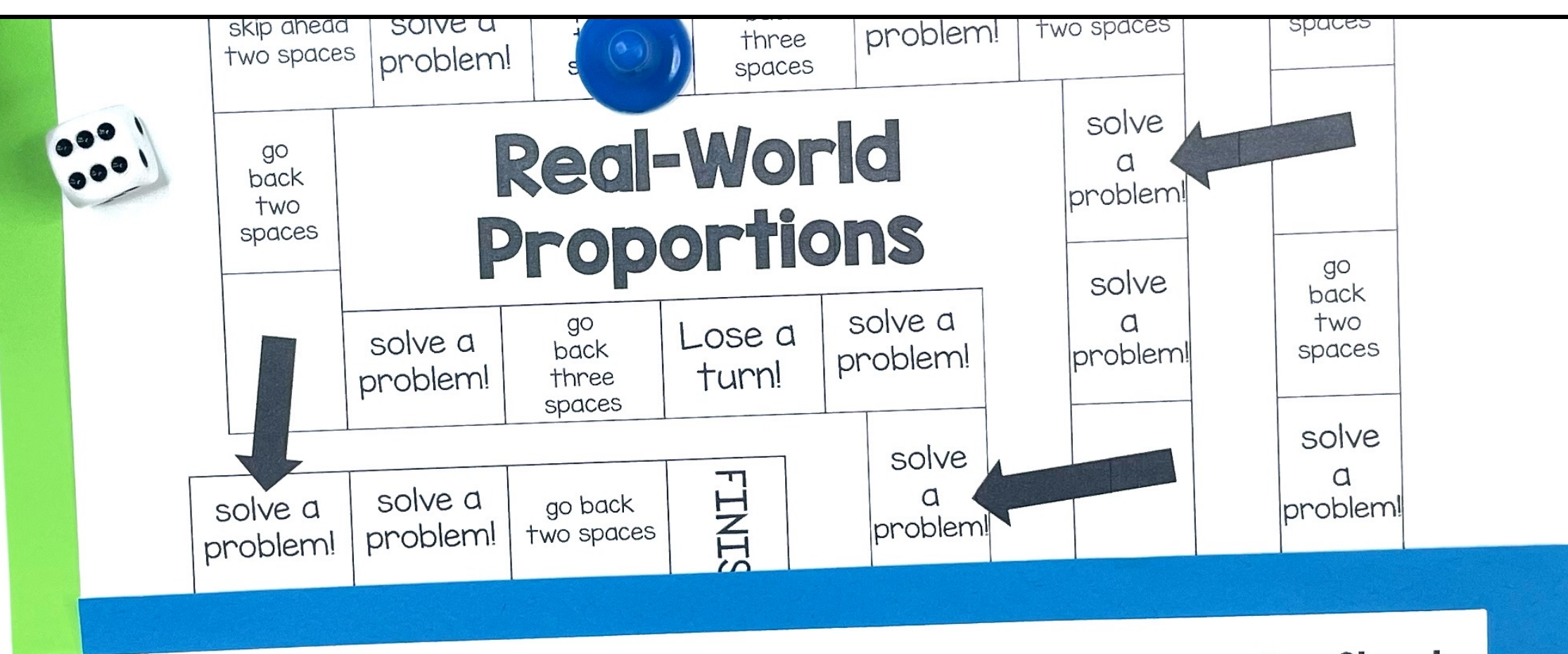
There are 5 students with brown hair and 44 students with black hair in a math class. What is the ratio of students with black hair to students with brown hair? Give your answer in the form of a fraction.

You'll Receive

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



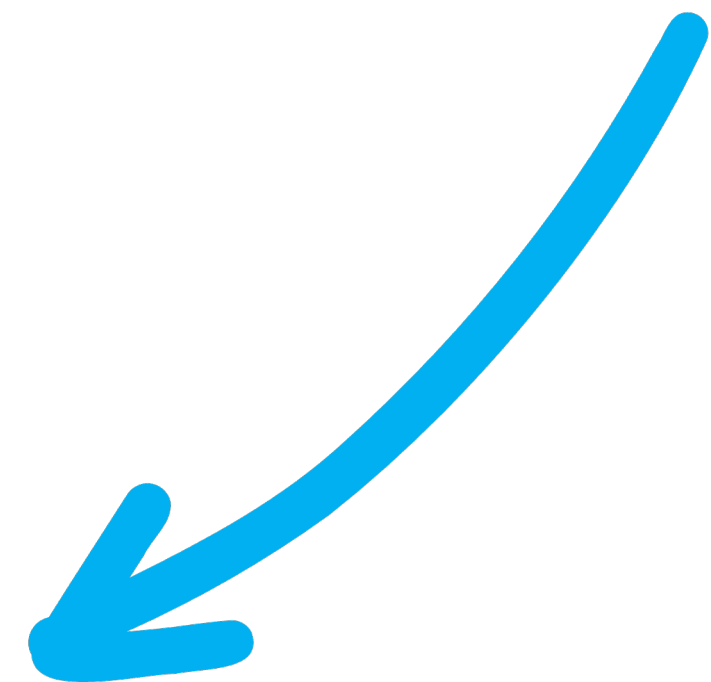
Student Recording Sheet



Real-World Proportions Recording Sheet

Name: _____

1 $\frac{19}{15}$	2 $\frac{44}{5}$	3 $\frac{26}{11}$	4 No
5 No	6 No	7 Yes	8 $e = 35n$
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:

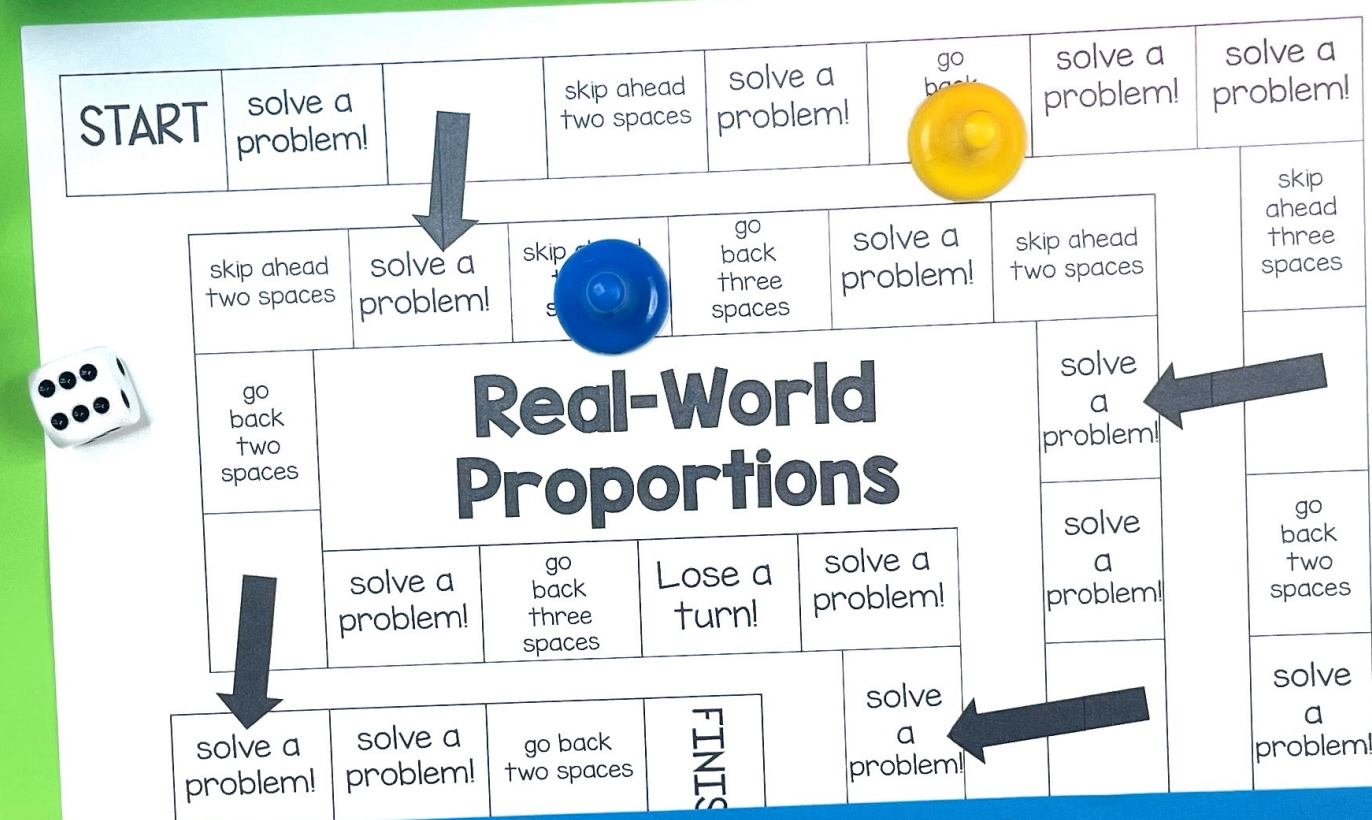
- ★ Remind students that the focus is not playing the game...that's just an added bonus! The focus should be on practicing the math skills.
- ★ Show students how to compare and discuss answers. Did you both get the same answer? If students get different answers, ask them to solve the problem using a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



Real-World Proportions Recording Sheet

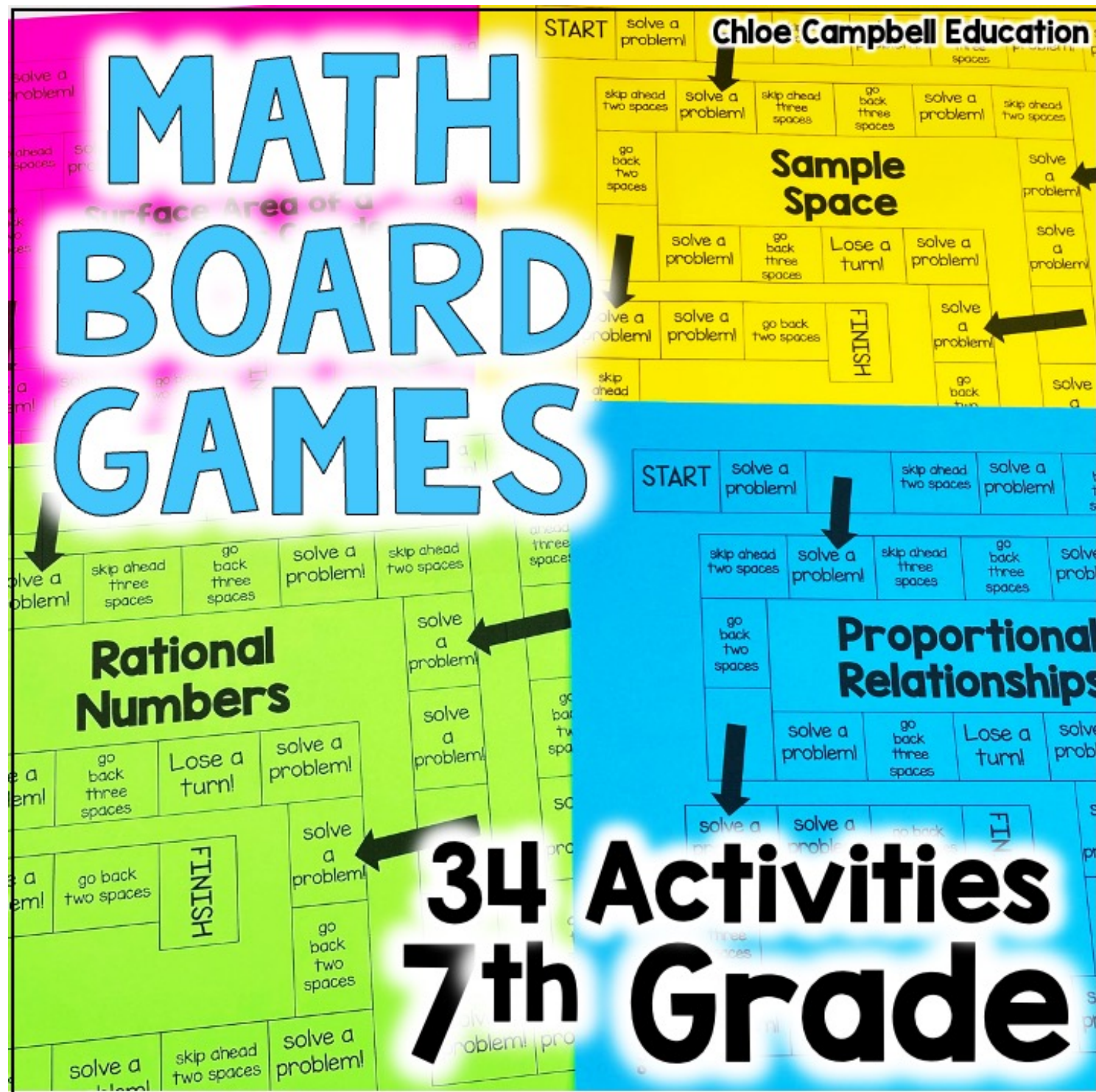
Name: _____

1	$\frac{19}{15}$	2	$\frac{44}{5}$	3	$\frac{26}{11}$	4	No
5	No	6	No	7	Yes	8	$e = 35n$
9		10		11		12	
13		14		15		16	

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and student
achievement increase!

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