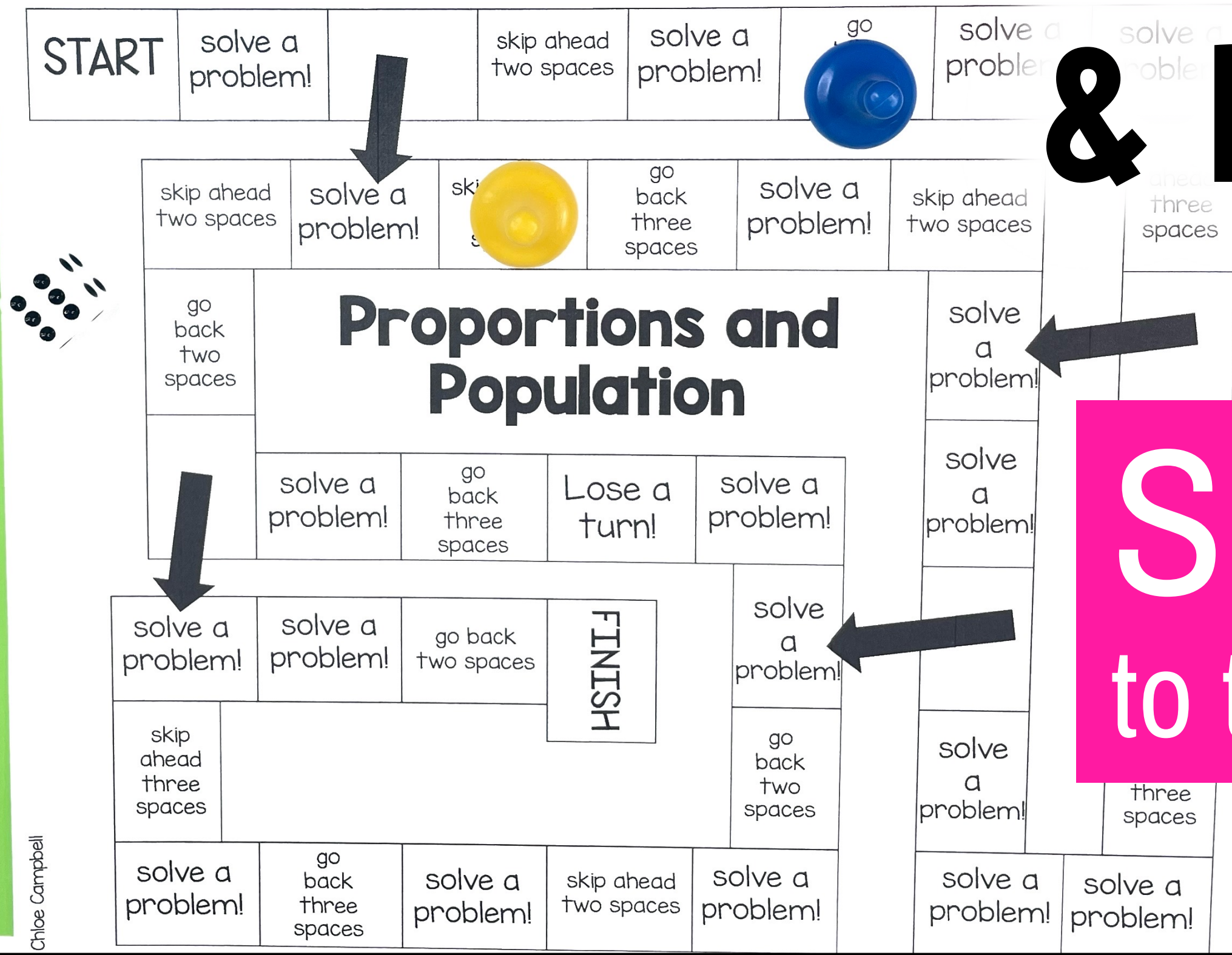


Proportions & Population



SCROLL
to take a look inside!

20 Problems Included:



10

Suppose you randomly survey 50 auto club members and ask them which type of car they prefer to drive. Of those surveyed, 30 said they prefer to drive a convertible. There are 170 members of the auto club.

Give a reasonable estimate for the number of auto club members who prefer to drive a convertible. Give your answer as a whole number.

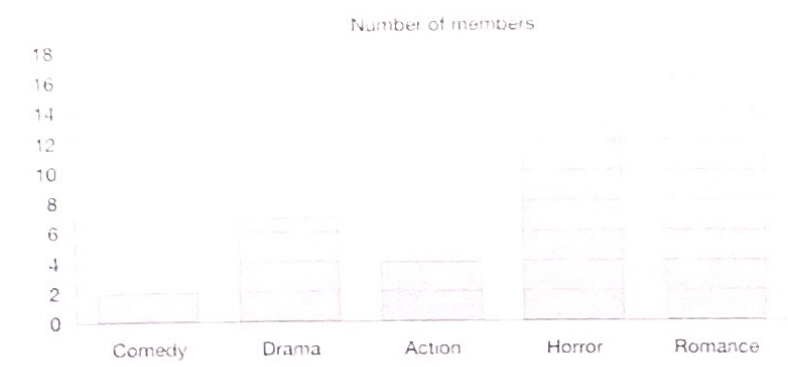
14

A group of randomly selected students at Jefferson Middle School were asked what their favorite sport was. The table shows the results of the survey. There are 305 students at Jefferson Middle School. Give the most reasonable estimate of the total number of students at Jefferson Middle School whose favorite sport is football.

Favorite Sport	Number of Students
Basketball	17
Baseball	5
Soccer	9
Hockey	18
Football	19

16

A group of randomly selected members of the local library were asked what their favorite movie genre was. The bar chart shows the results of the survey. There are 341 members of the local library. Give the most reasonable estimate of the total number members of the local library whose favorite movie genre is comedy.



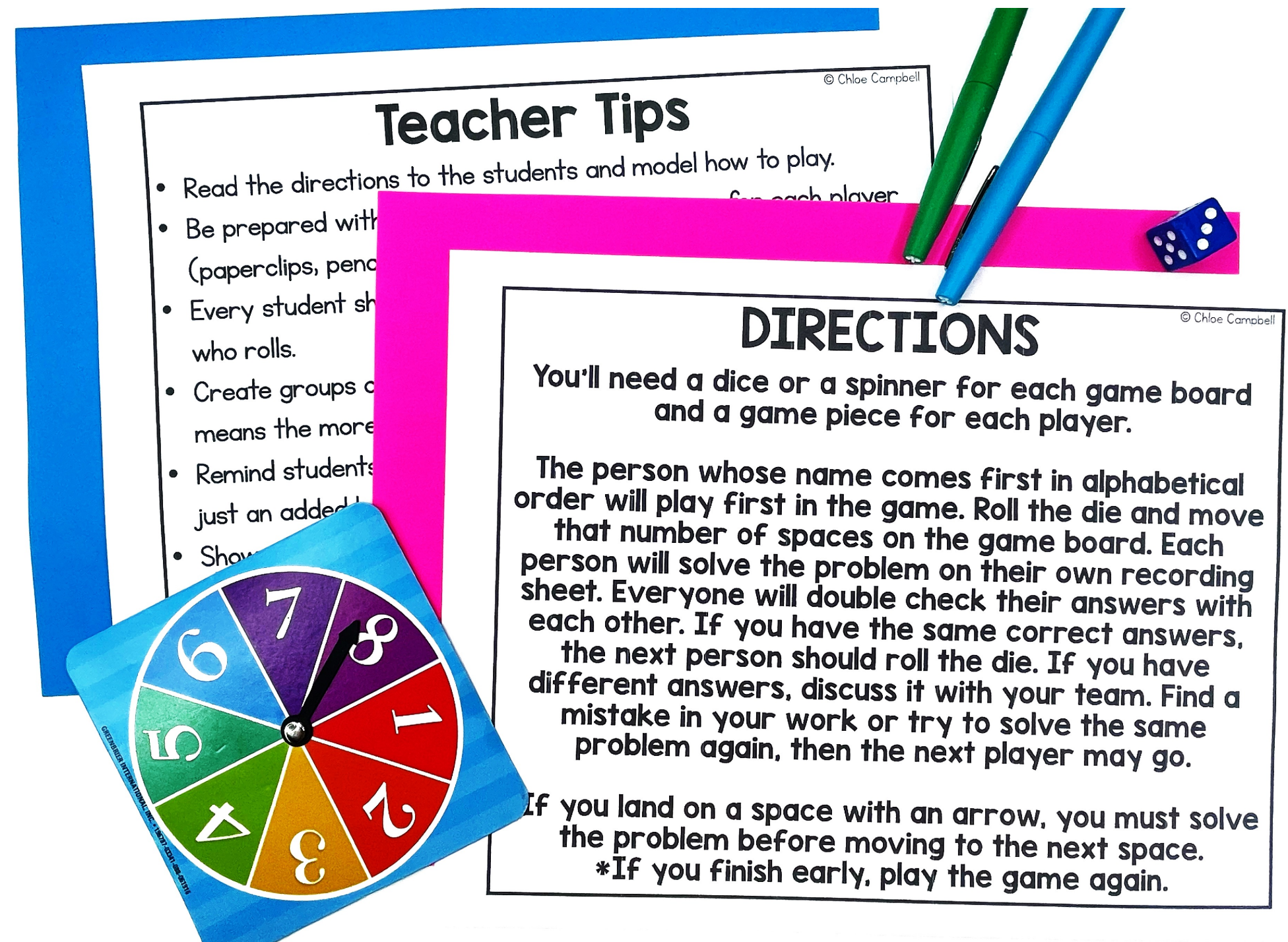
12

A group of randomly selected students at Jefferson Middle School were asked what their favorite sport was. The table shows the results of the survey. There are 362 students at Jefferson Middle School. Give the most reasonable estimate of the total number of students at Jefferson Middle School whose favorite sport is soccer.

Favorite Sport	Number of Students
Basketball	9
Baseball	12
Soccer	8
Hockey	20
Football	5

You'll Receive

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



Student Recording Sheet

Proportions and Population

skip ahead two spaces
solve a problem!
go back two spaces
solve a problem!
go back three spaces
Lose a turn!
solve a problem!
solve a problem!
go back two spaces
FINIS
solve a problem!

Proportions and Population Recording Sheet

Name: _____

1 32.14%	2 27.27%	3 33.33%	4 40.63%
5 46.15%	6 85	7 102	8 177
9 200	10 85	11 38	12 16
13	14	15	16
17	18	19	20

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:

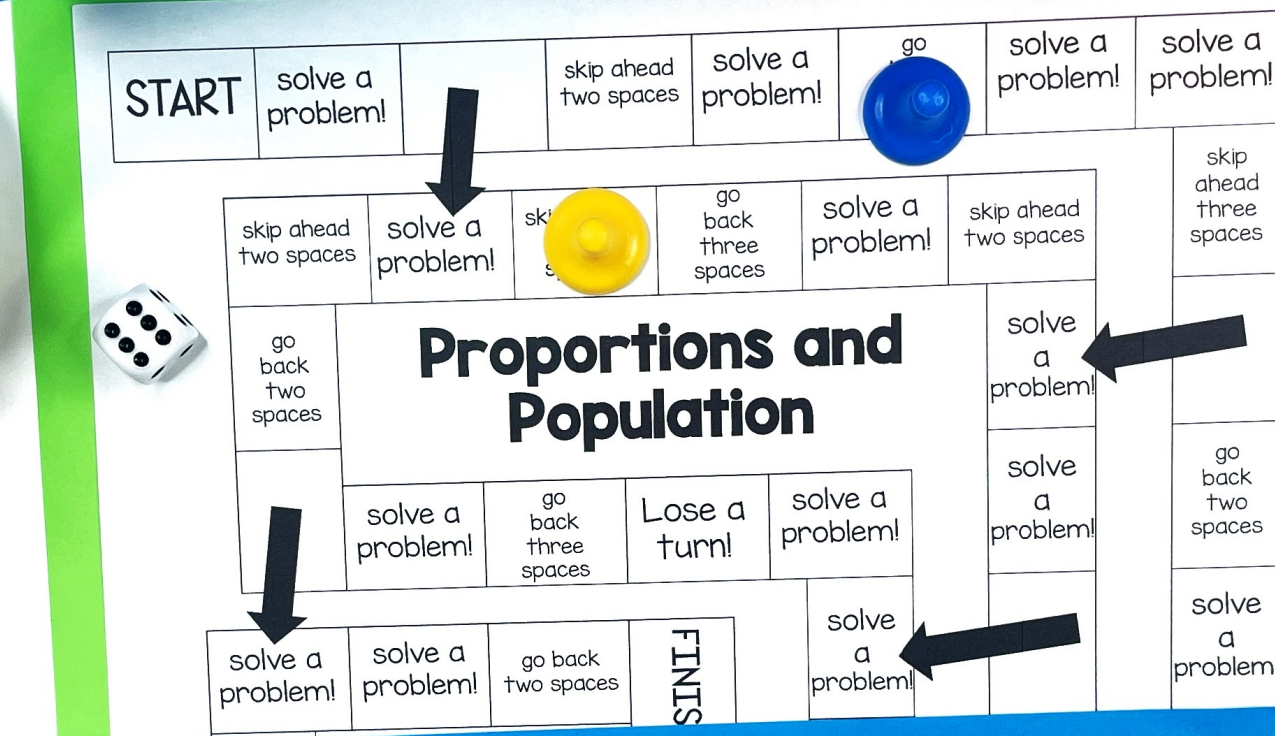
- ★ Remind students that the focus is not playing the game...that's just an added bonus! The focus should be on practicing the math skills.
- ★ Show students how to compare and discuss answers. Did you both get the same answer? If students get different answers, ask them to solve the problem using a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



Proportions and Population Recording Sheet

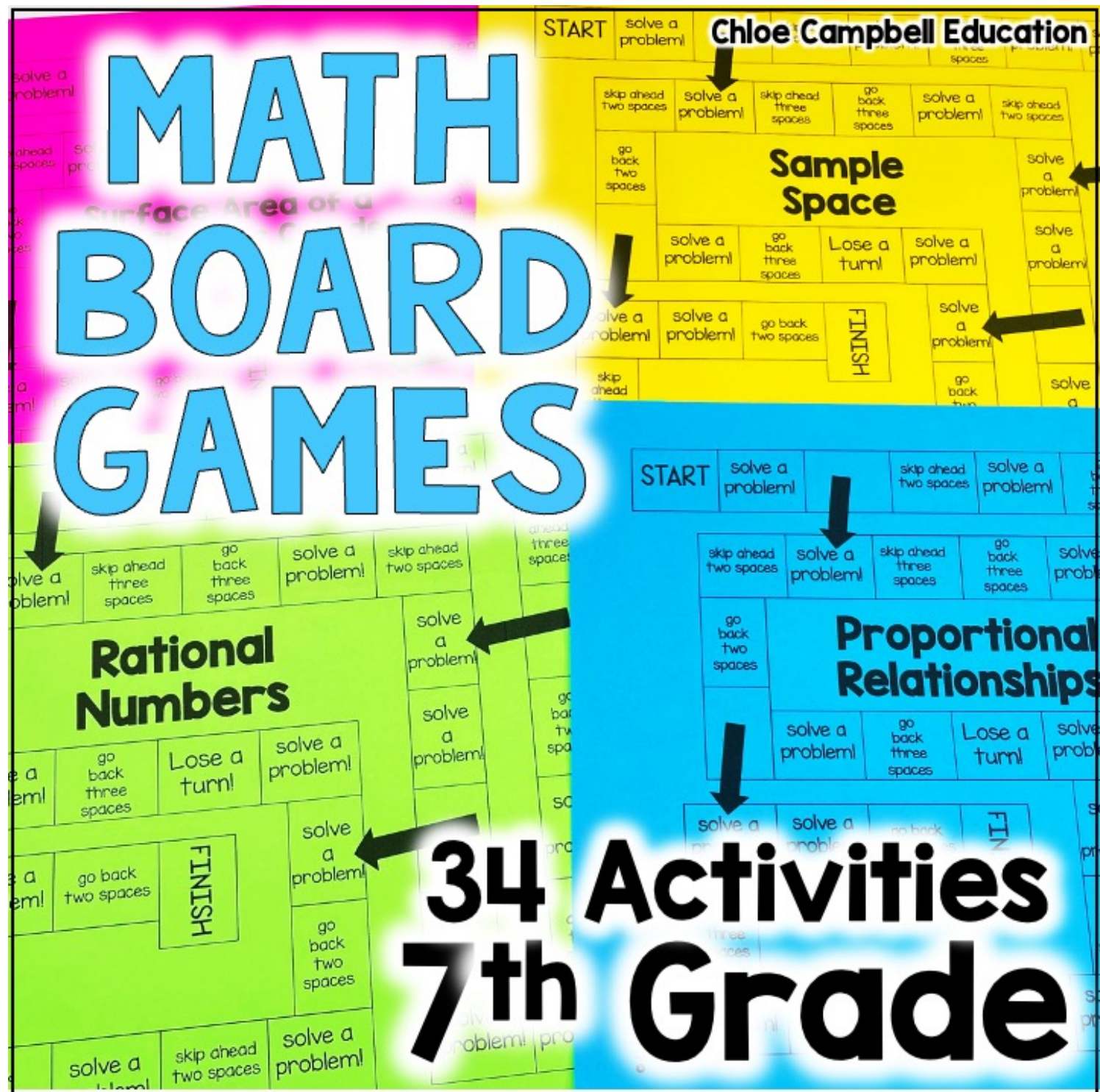
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17	18	19	20

ADD TO CART

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student engagement
and student
achievement increase!

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