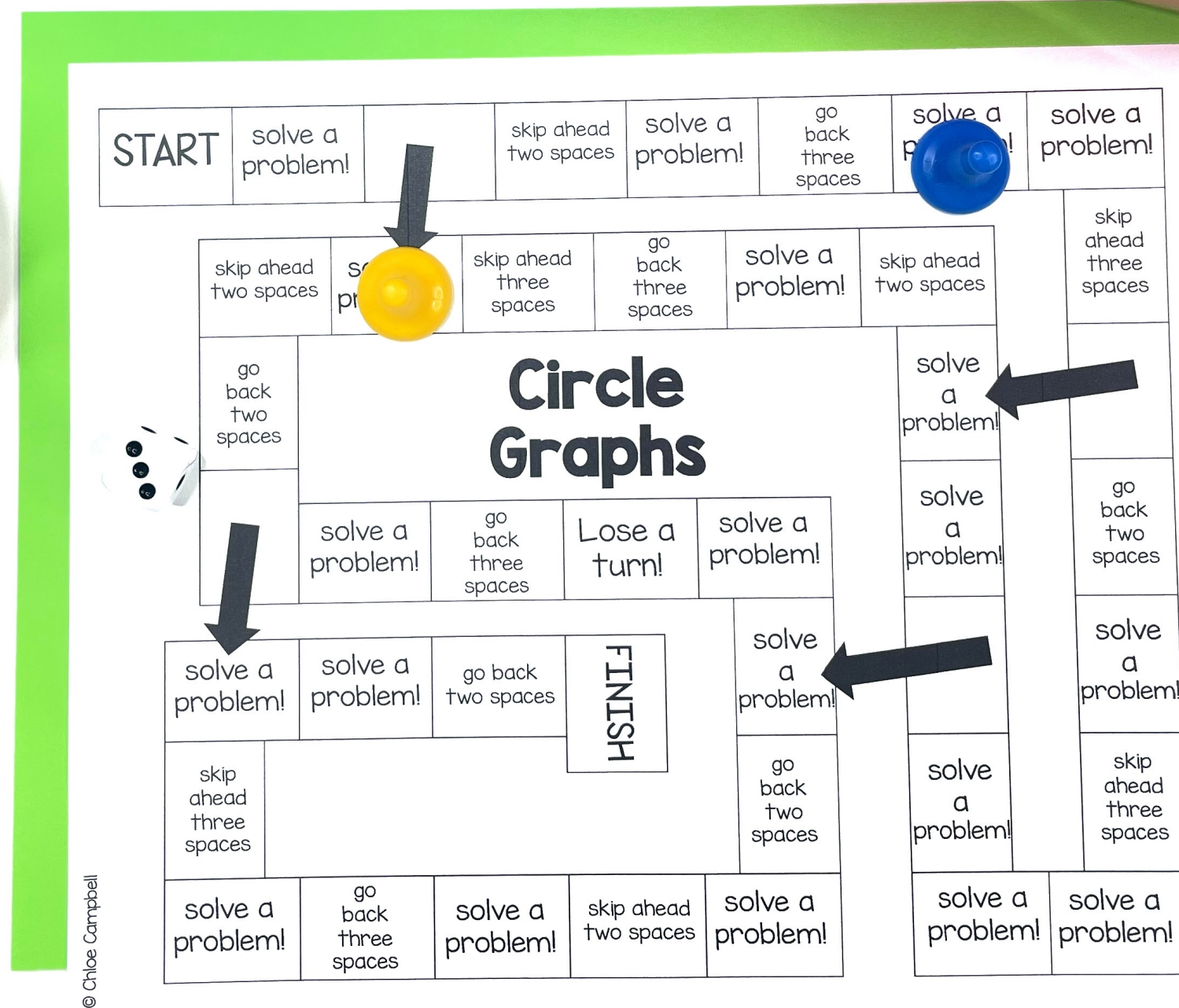




# Circle Graphs

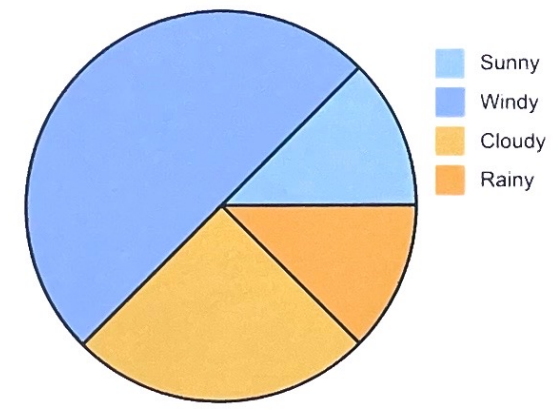


SCROLL  
to take a look inside!

# 20 Problems Included:



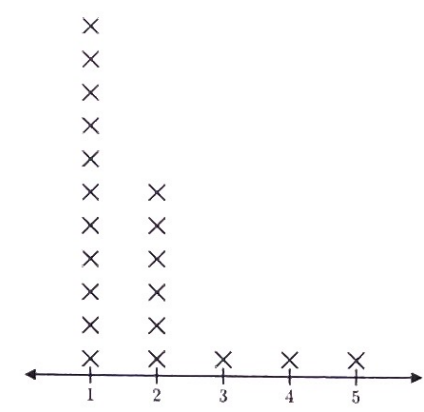
16  
A study was done which measured the type of weather a city has received over the last few months. A total of 40 days were surveyed, and the following circle graph was constructed from the percentages obtained. Based on the data, what is a good estimate for the number of days out of this total that had sunny weather?



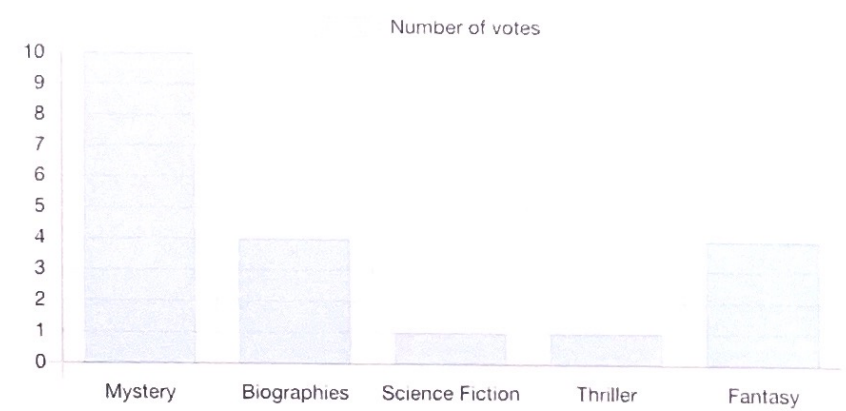
8  
Below is a table showing the breakdown of traffic across a bridge. Represent this data in the circle graph.

Type	Count
pedestrians	86
cars	30
bicycles	74
motorcycles	8
trucks	2

6  
A group of moviegoers are asked to rate the movie they just watched on a scale of 1 to 5 stars. Their responses were compiled into a line plot based on each moviegoer's score. Represent this data as a circle graph based on the percent of total responses that belong to each star-numbered score.

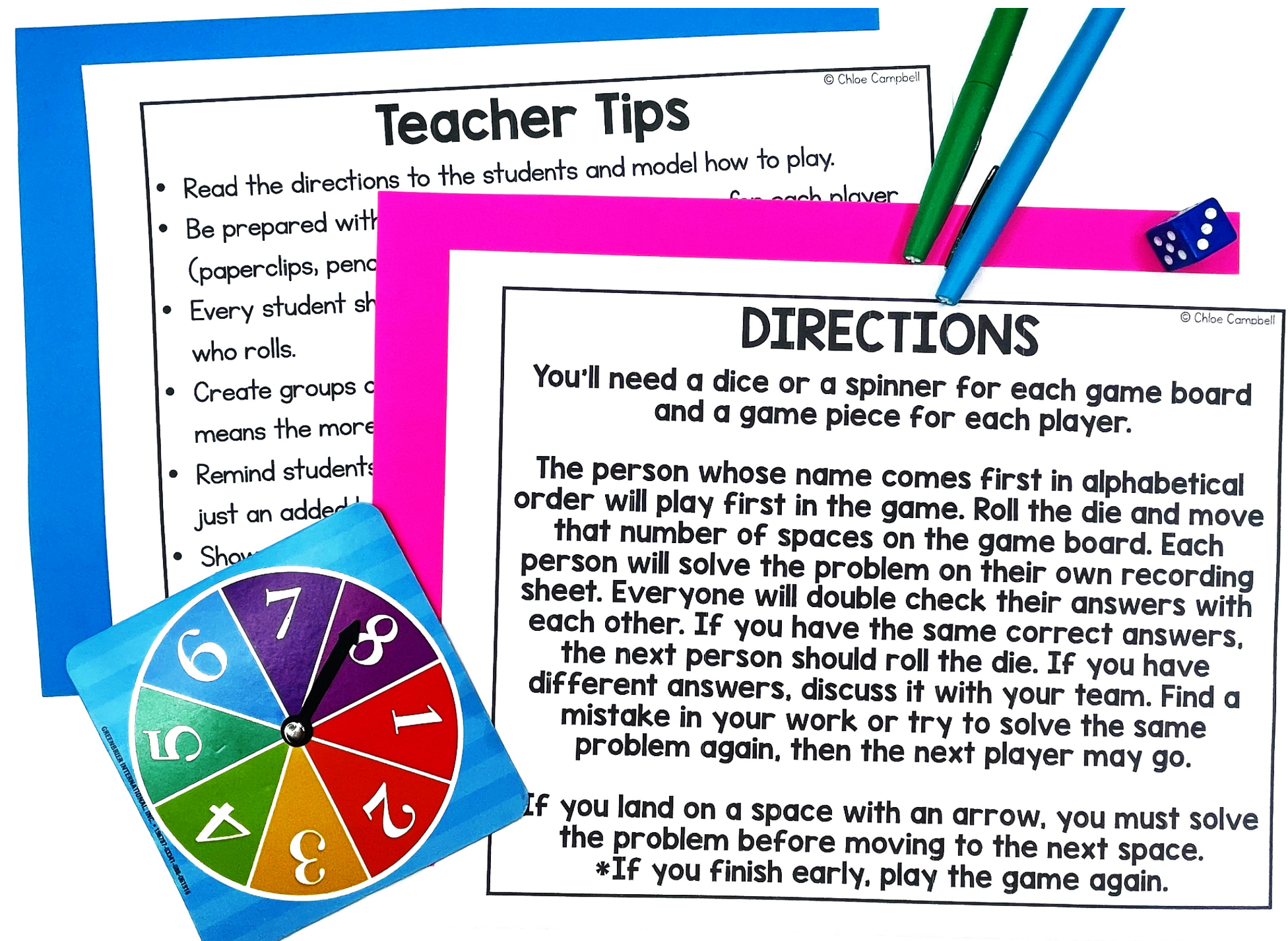


5  
A group of customers at a book store was asked about their favorite book genre. The results of this survey are compiled in the following bar chart. Represent this data as a circle graph based on the percent of total responses that belong to each category.

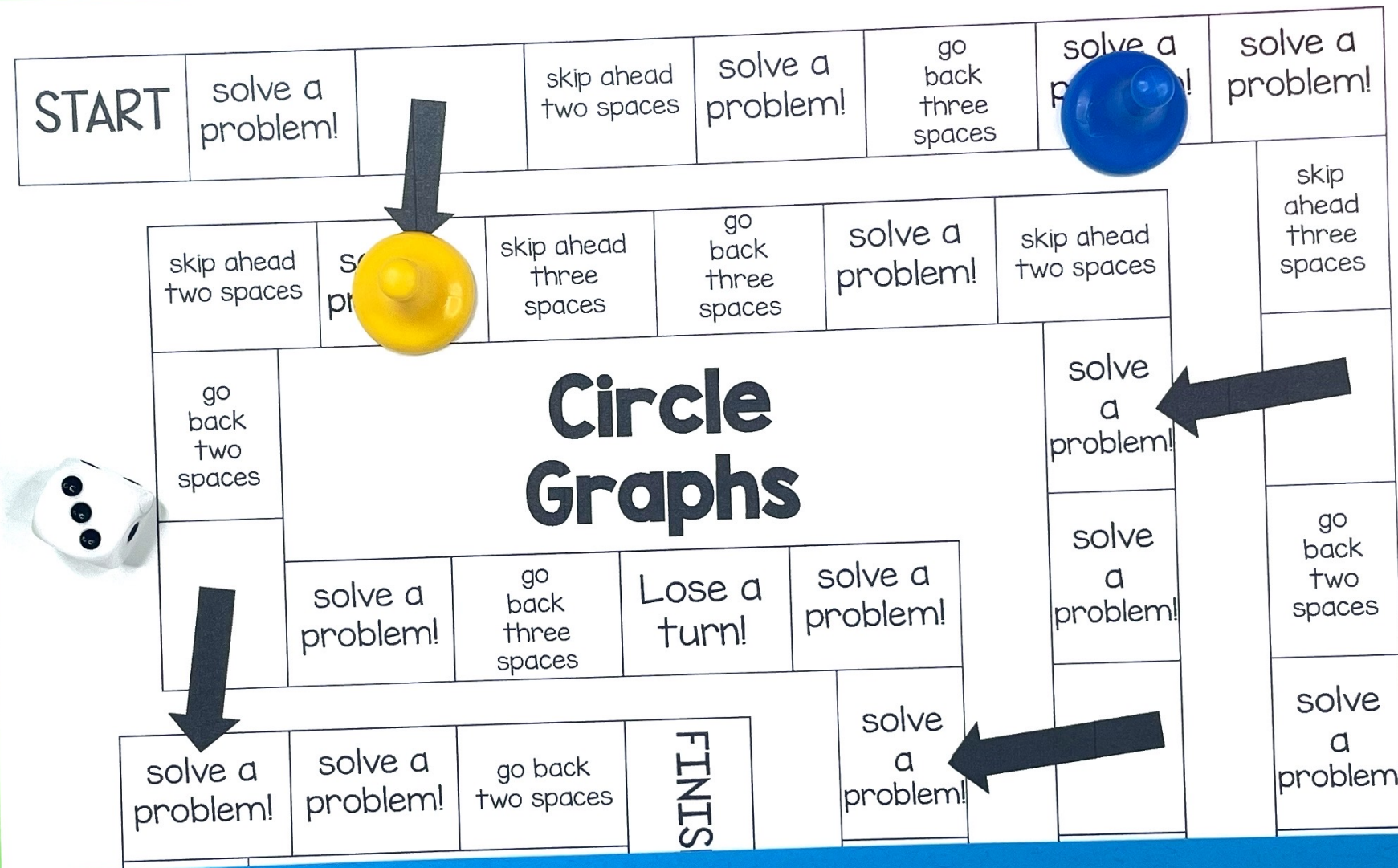


# You'll Receive

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



# Student Recording Sheet



Name: \_\_\_\_\_

## Circle Graphs Recording Sheet

1	<p>D 10% E 45% C 20% J 20% D 5%</p>	2	<p>S 35% R 35% V 25% TV 5% O 5%</p>	3	<p>6: 5% 7: 40% 8: 25% 9: 20% 10: 10%</p>	4	<p>P 25% K 10% T 20% H 35% R 10%</p>
5		6				8	
9		10		11		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:

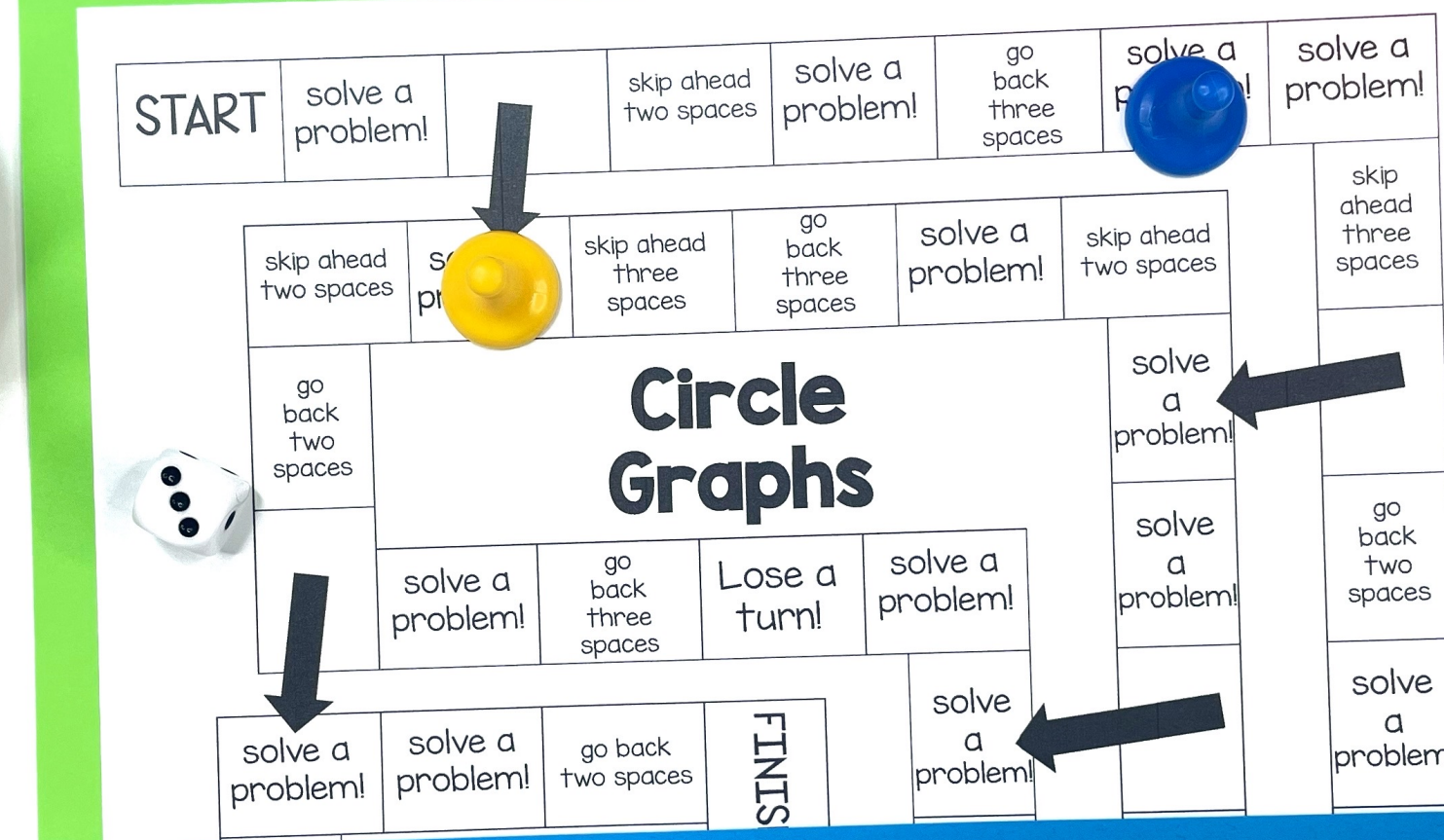
- ★ Remind students that the focus is not playing the game...that's just an added bonus! The focus should be on practicing the math skills.
- ★ Show students how to compare and discuss answers. Did you both get the same answer? If students get different answers, ask them to solve the problem using a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

Students  
won't  
even  
realize  
they are  
learning!



Name: \_\_\_\_\_

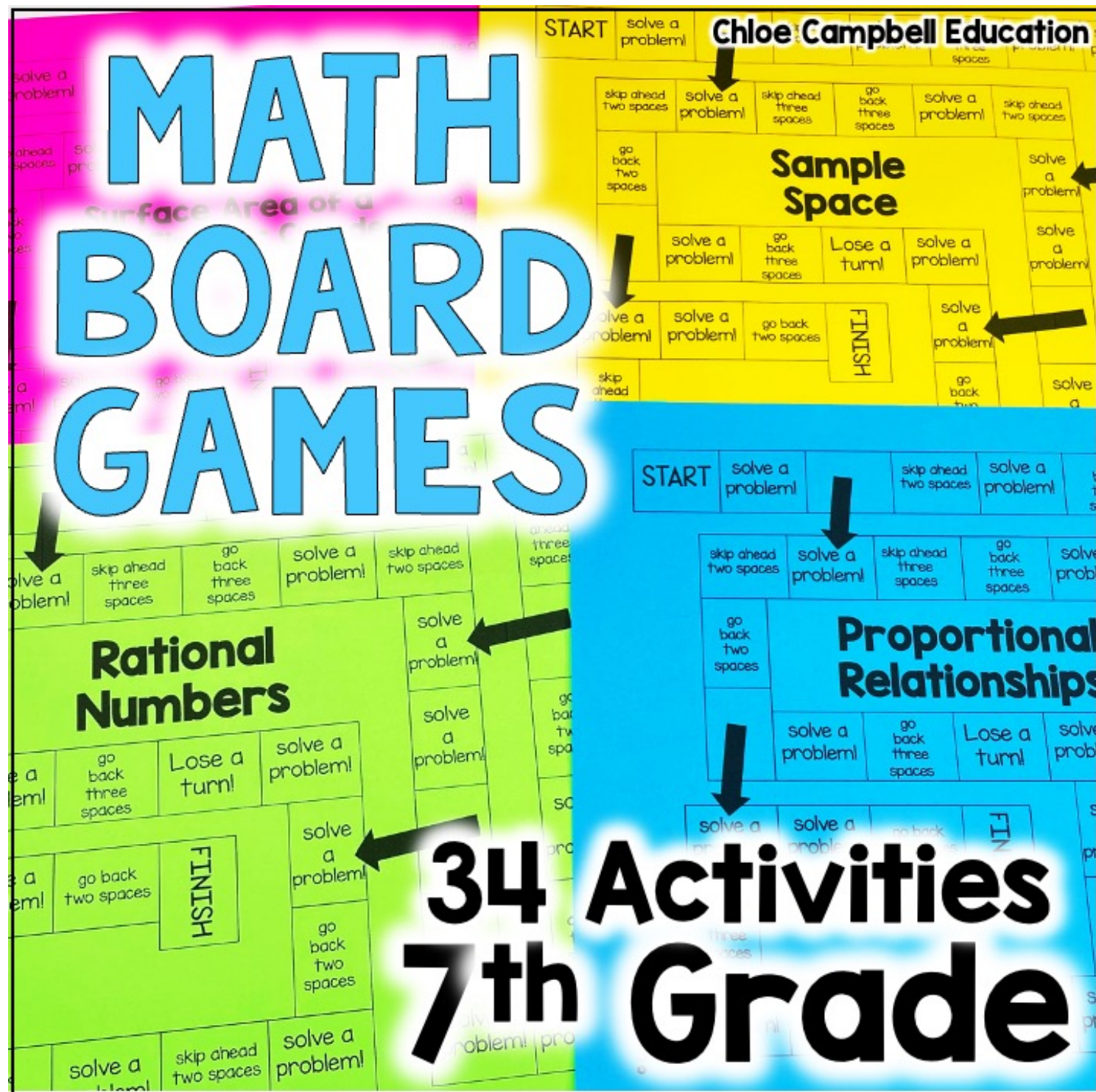
# Circle Graphs Recording Sheet

1	<p>D 10% E 45% C 20% J 20% D 5%</p>	2	<p>S 35% R 35% V 25% T 5% O 5%</p>	3	<p>6: 5% 7: 40% 8: 25% 9: 20% 10: 10%</p>	4	<p>P 25% K 10% T 20% H 35% R 10%</p>
5		6					
9		10		11	12		

# ADD TO CART

Purchase now to see  
student engagement  
and student  
achievement increase!

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the  
Bundle!