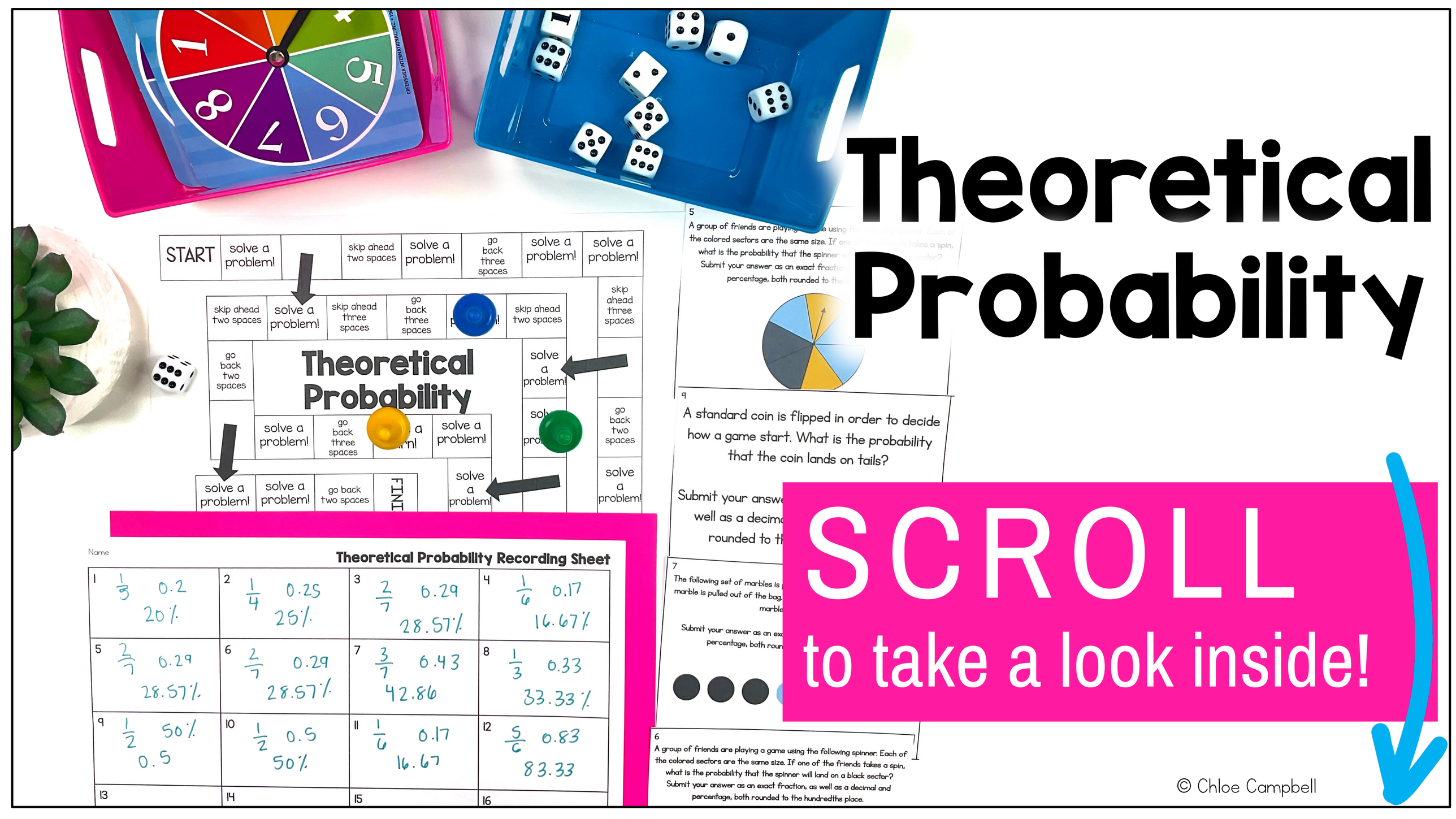
Theoretical Probability
SCROLL
to take a look inside!
Theoretical Probability Recording Sheet
Name
START
FINISH
A standard coin is flipped in order to decide how a game start. What is the probability that the coin lands on tails?
A group of friends are playing a game using the following spinner. Each of the colored sectors are the same size. If one of the friends takes a spin, what is the probability that the spinner will land on a black sector? Submit your answer as an exact fraction, as well as a decimal and percentage, both rounded to the hundredths place.
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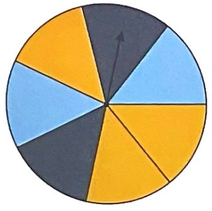
Math Skills Included:

6

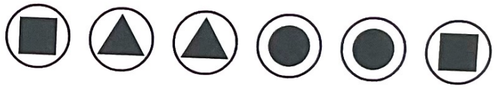
A group of friends are playing a game using the following spinner. Each of the colored sectors are the same size. If one of the friends takes a spin, what is the probability that the spinner will land on a black sector? Submit your answer as an exact fraction, as well as a decimal and percentage, both rounded to the hundredths place.



8

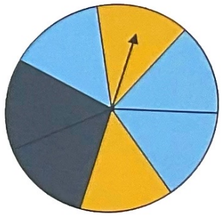
The following set of chips is placed inside a bag. Then, without looking, a chip is pulled out of the bag. What is the probability that the chip chosen will contain a filled-in circle?

Submit your answer as an exact fraction, as well as a decimal and percentage, both rounded to the hundredths place.



5

A group of friends are playing a game using the following spinner. Each of the colored sectors are the same size. If one of the friends takes a spin, what is the probability that the spinner will land on a yellow sector? Submit your answer as an exact fraction, as well as a decimal and percentage, both rounded to the hundredths place.



10

A six-sided die has its sides labeled with the numbers 1 to 6. What is the probability that, when rolled, the die lands on a side with a number less than 4?

Submit your answer as an exact fraction, as well as a decimal and percentage, both rounded to the hundredths place.

12

A six-sided die has its sides labeled with the numbers 1 to 6. What is the probability that, when rolled, the die lands on a side with a number less

Submit your answer as an exact fraction, as well as a decimal and percentage, both rounded to the hundredths

9

A standard coin is flipped in order to decide how a game start. What is the probability

7

The following set of marbles is placed into a bag. Then, without looking, a marble is pulled out of the bag. What is the probability that the chosen marble will be yellow?

Submit your answer as an exact fraction, as well as a decimal and percentage, both rounded to the hundredths place.

11

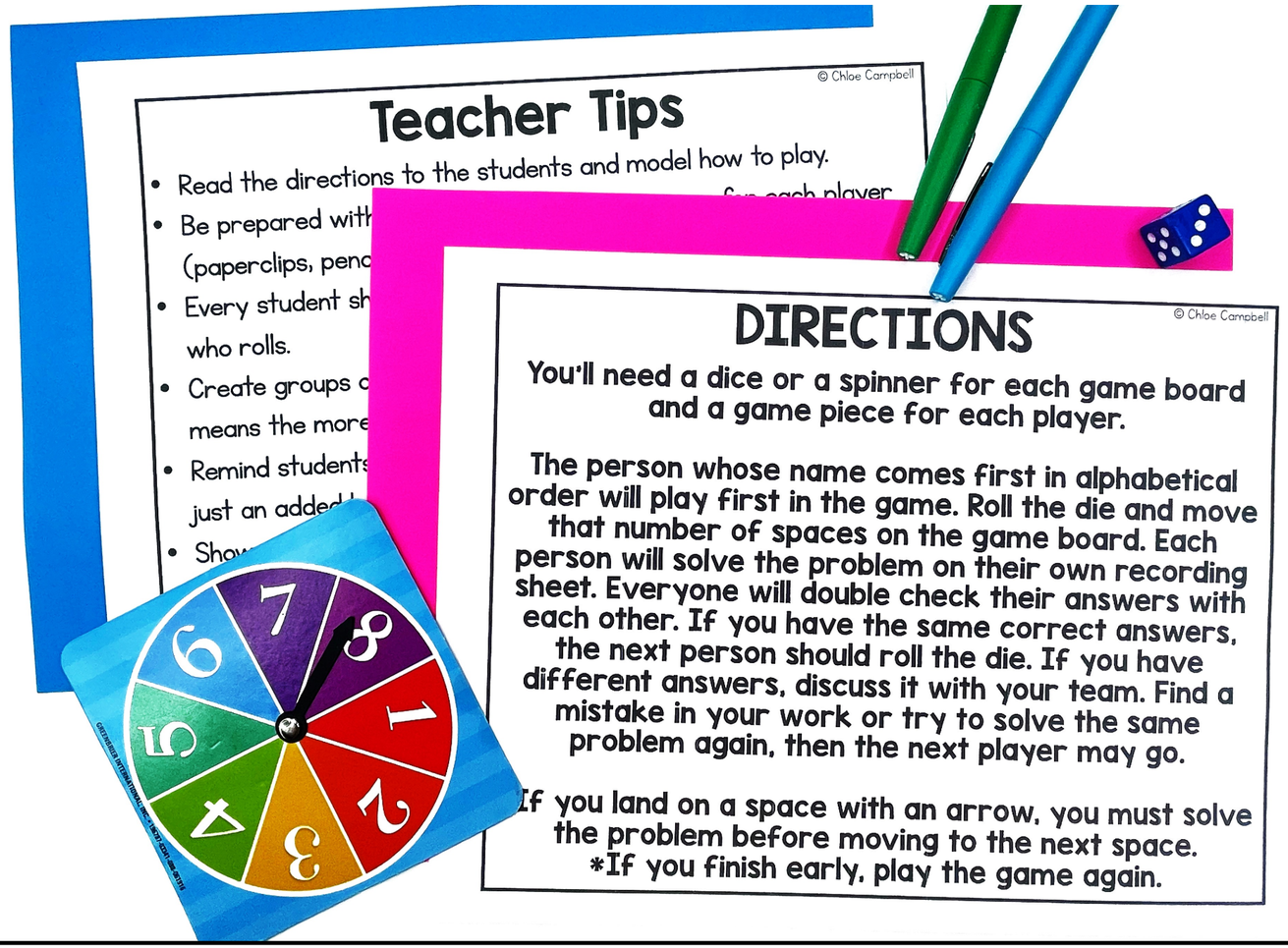
A six-sided die has its sides labeled with the numbers 1 to 6. What is the probability that, when rolled, the die lands on the side with the number 5?

Submit your answer as an exact fraction, as well as a decimal and percentage, both

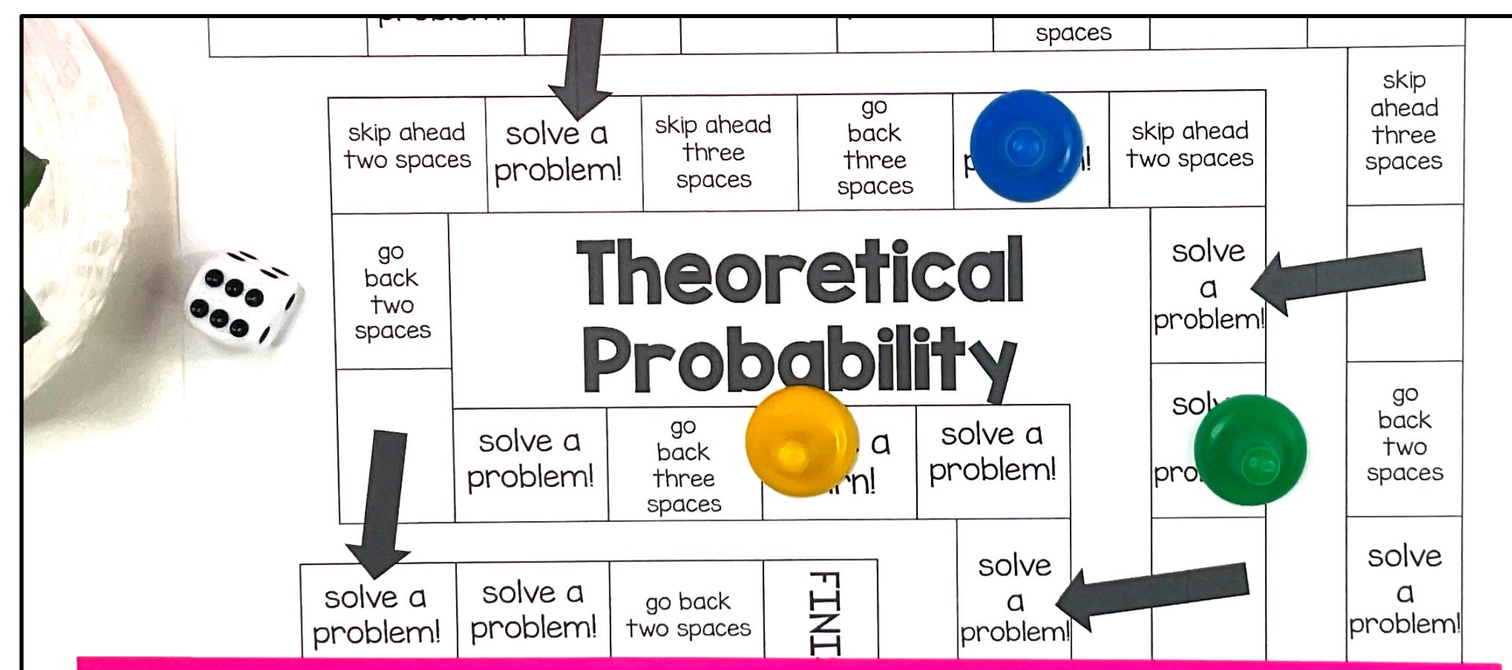
Find the theoretical probability of an event related to a repeated experiment

You'll Receive

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



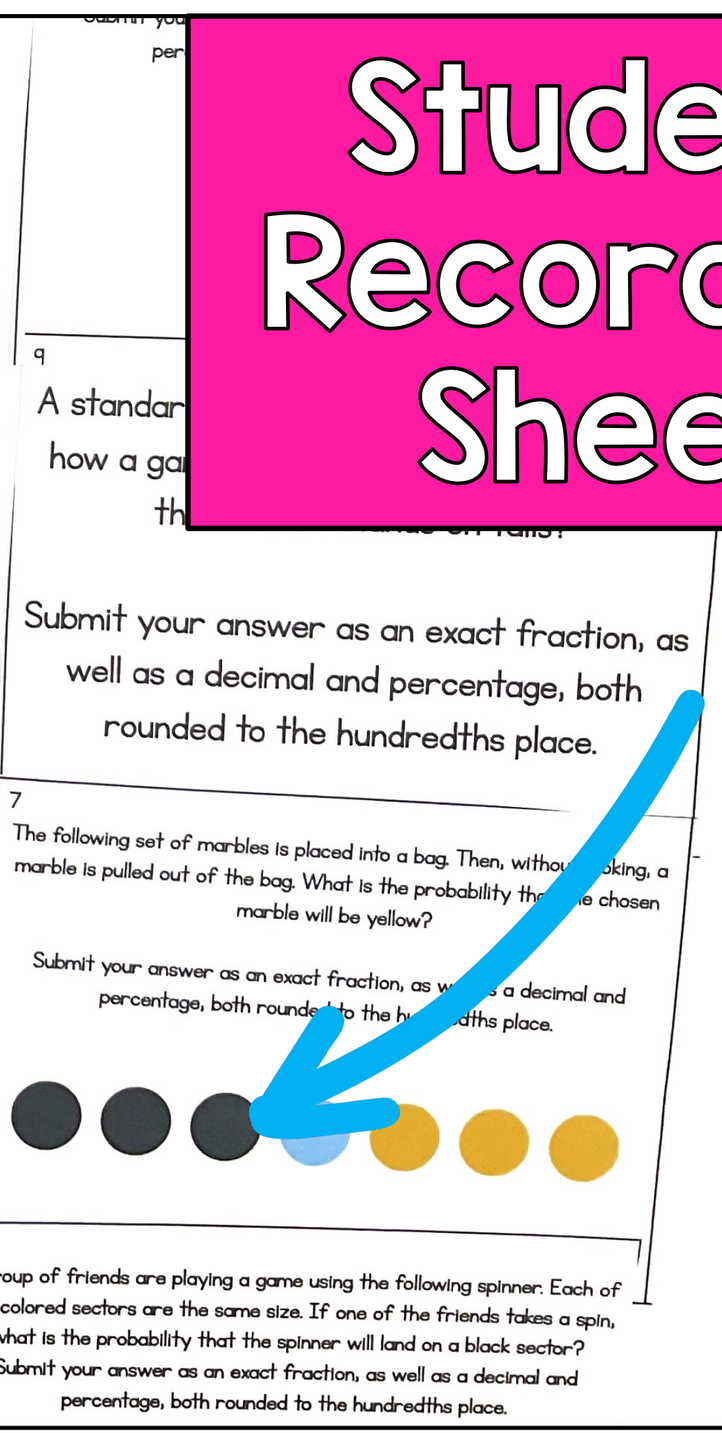
Student Recording Sheet



Name

Theoretical Probability Recording Sheet

1 $\frac{1}{5}$ 0.2 20%	2 $\frac{1}{4}$ 0.25 25%	3 $\frac{2}{7}$ 0.29 28.57%	4 $\frac{1}{6}$ 0.17 16.67%
5 $\frac{2}{7}$ 0.29 28.57%	6 $\frac{2}{7}$ 0.29 28.57%	7 $\frac{3}{7}$ 0.43 42.86	8 $\frac{1}{3}$ 0.33 33.33%
9 $\frac{1}{2}$ 50% 0.5	10 $\frac{1}{2}$ 0.5 50%	11 $\frac{1}{6}$ 0.17 16.67	12 $\frac{5}{6}$ 0.83 83.33
13	14	15	16



9

A standar... how a ga... th...

Submit your answer as an exact fraction, as well as a decimal and percentage, both rounded to the hundredths place.

7

The following set of marbles is placed into a bag. Then, witho...oking, a marble is pulled out of the bag. What is the probability th...e chosen marble will be yellow?

Submit your answer as an exact fraction, as w... a decimal and percentage, both rounde... to the h...dths place.

6

A group of friends are playing a game using the following spinner. Each of the colored sectors are the same size. If one of the friends takes a spin, what is the probability that the spinner will land on a black sector? Submit your answer as an exact fraction, as well as a decimal and percentage, both rounded to the hundredths place.

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.

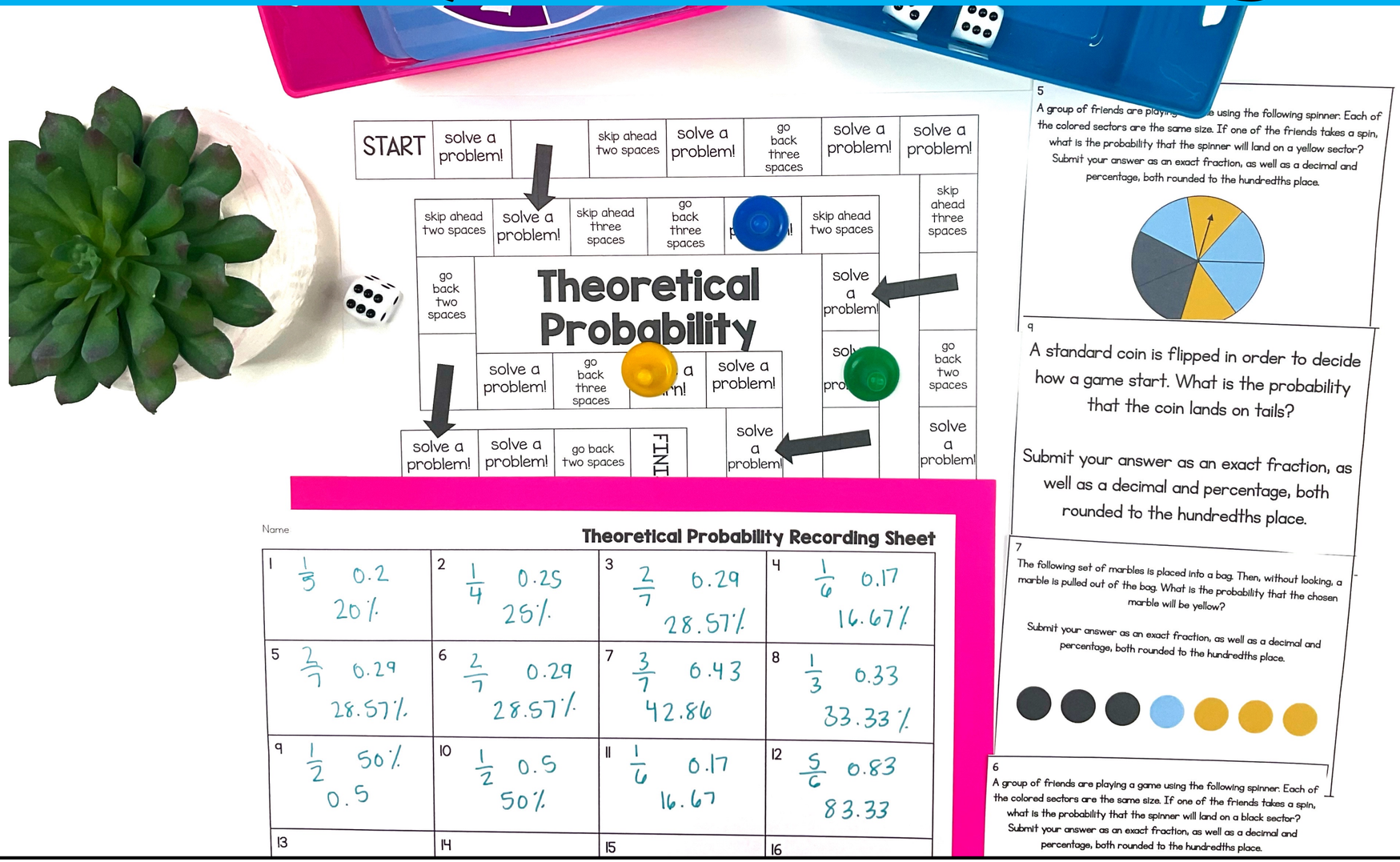
- Show students how to compare and discuss answers. Did you both get the same answer? If students get different answers, ask them to solve the problem using a different strategy or help coach each other through the problem.

Why Board Games?

Research shows that challenge-based gamification in the classroom lead to an increase of 34.755% in student performance

(ScienceDirect, 2020).

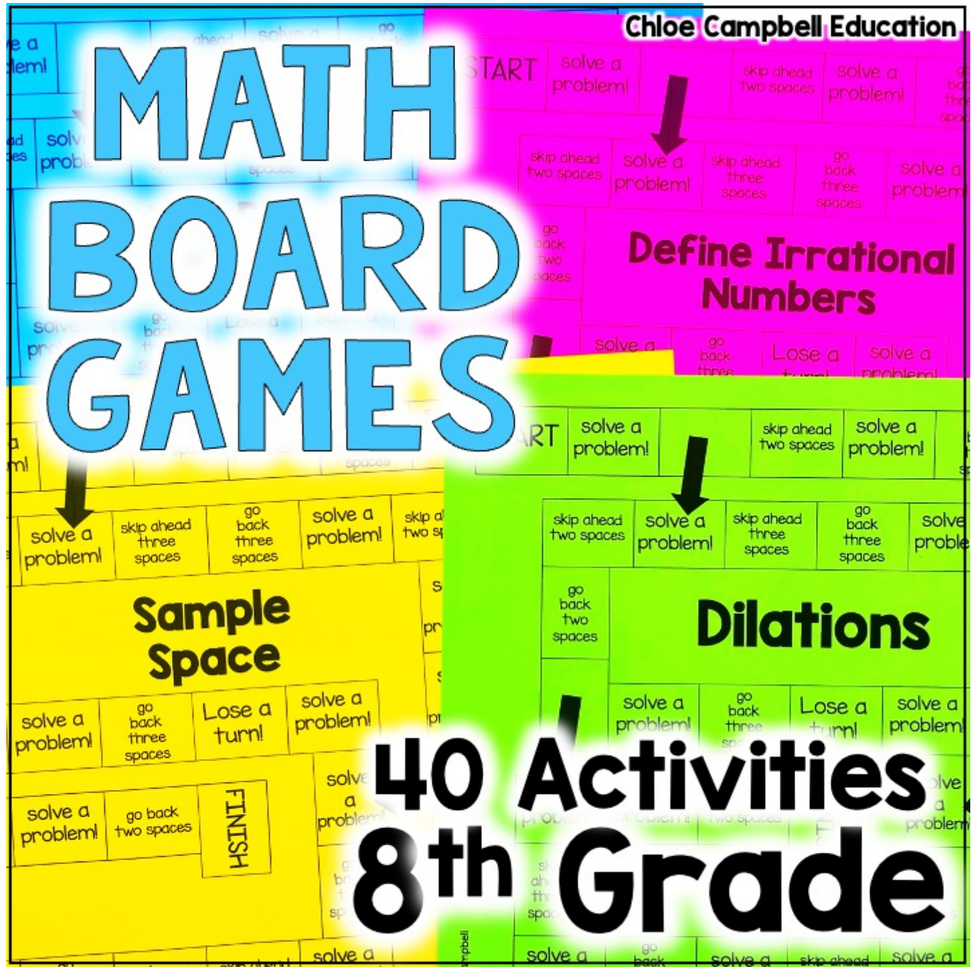
Students won't even realize they are learning!



ADD TO CART

Purchase now to see student engagement and student achievement increase!

Save MONEY and Get the BUNDLE!



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