

# FINISH

17 - Your teacher surveyed to see students' favorite subjects. 12 students like reading the best, 8 like math, 5 like social studies, and 3 like science. What's the ratio of students who like math and reading to the students who like science?

# This resource includes:

- Teacher Direction Page
- Board Game
- 20 Question Cards
- Student Recording Sheet
- Teacher Answer Key

**Writing Ratios**

START

solve a problem!

skip ahead two spaces

solve a problem!

go back three spaces

solve a problem!

solve a problem!

skip ahead three spaces

go back two spaces

solve a problem!

go back three spaces

Lose a turn!

solve a problem!

solve a problem!

go back two spaces

FINISH

solve a problem!

skip ahead three spaces

solve a problem!

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

1	5 to 3 5:3 $\frac{5}{3}$	2		3	1 to 3 1:3 $\frac{1}{3}$	4	
---	--------------------------------	---	--	---	--------------------------------	---	--

14 - There are 14 cookies that do not contain nuts and 13 cookies that do contain nuts. What is the ratio of the number of cookies without nuts to the number of cookies with nuts?

9 - There are 36 boys and 48 girls in 4th grade. There are 52 boys and 41 girls in 5th grade. What is the ratio of girls to boys in 4th grade?

2 - Write the ratio of comedies to dramas if there are 8 comedies to every 3 dramas.

17 - Your teacher surveyed the class to see students' favorite subjects. 6 students like reading the best, 13 like math, 5 like social studies, and 7 like science. What's the ratio of students who like math and reading to the students who like science?

18 - For every 9 diet sodas sold, there are 6 regular sodas sold at the local burger shop. What's the ratio of diet sodas to regular sodas sold?

Writing

Students won't even realize they are learning!

# What's the best way to use this board game?

- Math Centers or Stations
- Whole Group Practice
- Morning Work
- Early Finisher Activity
- Substitutes
- Send Home to Engage Student Families



# Writing Ratios



go back two spaces

solve a problem!

go back three spaces

Lose a turn!

solve a problem!

solve a problem!

solve a problem!

go back two spaces

solve a problem!

solve a problem!

solve a problem!

go back two spaces

FINISH

solve a problem!

skip ahead three spaces

solve a problem!

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

## Writing Ratios Recording Sheet

1 5 to 3 5:3 $\frac{5}{3}$	2	3 1 to 3 1:3 $\frac{1}{3}$	4
5	6 4 to 5 4:5 $\frac{4}{5}$	7	8
9	10	11	

Hold students accountable  
with a recording sheet

# Tips for Playing Math Board 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.
- Remind students that the focus is not playing the game but that's just an added bonus! The focus should be on practicing 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 leads to an increase of 34.755% in student performance

(ScienceDirect, 2020).

# Teachers Like You Say:

★★★★★ "These are great for small group stations! What a fun task card adaption. 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!" - Anonymous

★★★★★ "Very easy to use and I truly believe students learn best through game play." -Tony

★★★★★ "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." -Nicole