

# A bik rate then an ad Line value of the slope and this situation, what is the value of the slope and

the y-intercept?

13

A toy company is measuring the demand of their new doll based on the price they set for it. The following graph models the relationship between the number of people willing to buy the doll (y-axis) and price (x-axis). What is

the correct interpretation of the winterpretation

### SCROLL

An ice \$24.60 ini \$2.10 per to take a look inside!

value of the slope and the y-intercept?

#### Name:

#### Interpret Slope & Y-Intercept Recording Sheet

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Slope= \$5.30 y = \$13.70	2 516pe=5.5 y = 27.3	3 slope=\$3.90 y = \$20	slope = 5
5 δlope=12.40 y-int=10.10	6 5lope=\$2.10 y = \$24.60	7 Slope= 5.8 Y-Int= 31	$Slope = -\frac{5}{4}$ y = (0, 25)
1	Ю		12

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### Math Skils Included:



Tracey is giving all of his students a pop quiz. The following graph models the relationship between the number of students still taking the quiz (yaxis) and the number of minutes since the quiz has begun (x-axis). In this situation, what is the value of the slope and the y-intercept?

A bike rental service charges a \$10.10 initial flat rate and then an additional \$2.40 per hour. In this situation, what is the value of the slope and the y-intercept?

A toy company is measuring the demand of their new doll based on the price they set for it. The following graph models the relationship between the number of people willing to buy the doll (y-axis) and price (x-axis). What is the correct interpretation of the y-intercept?

Determine the slope and y-intercept.

х	у
0	-2
3	25
6	52
9	79

Determine the slope and y-intercept.

#### Determine and interpret the slope and y - intercept of a 2 variable linearity gallons in Marilyn's care in the following gradient of the y-intercept?

equation service charges a

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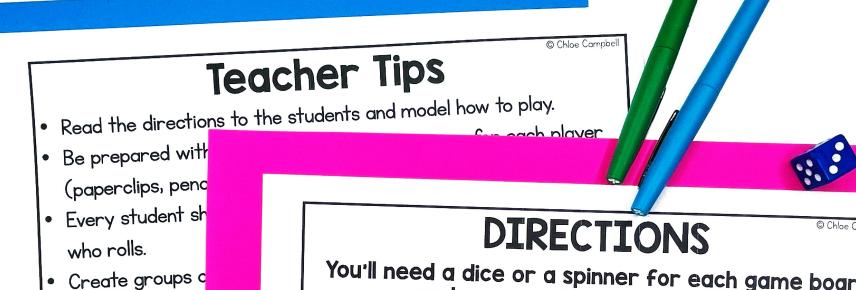


Printable Math Board Game





### Receive



means the more

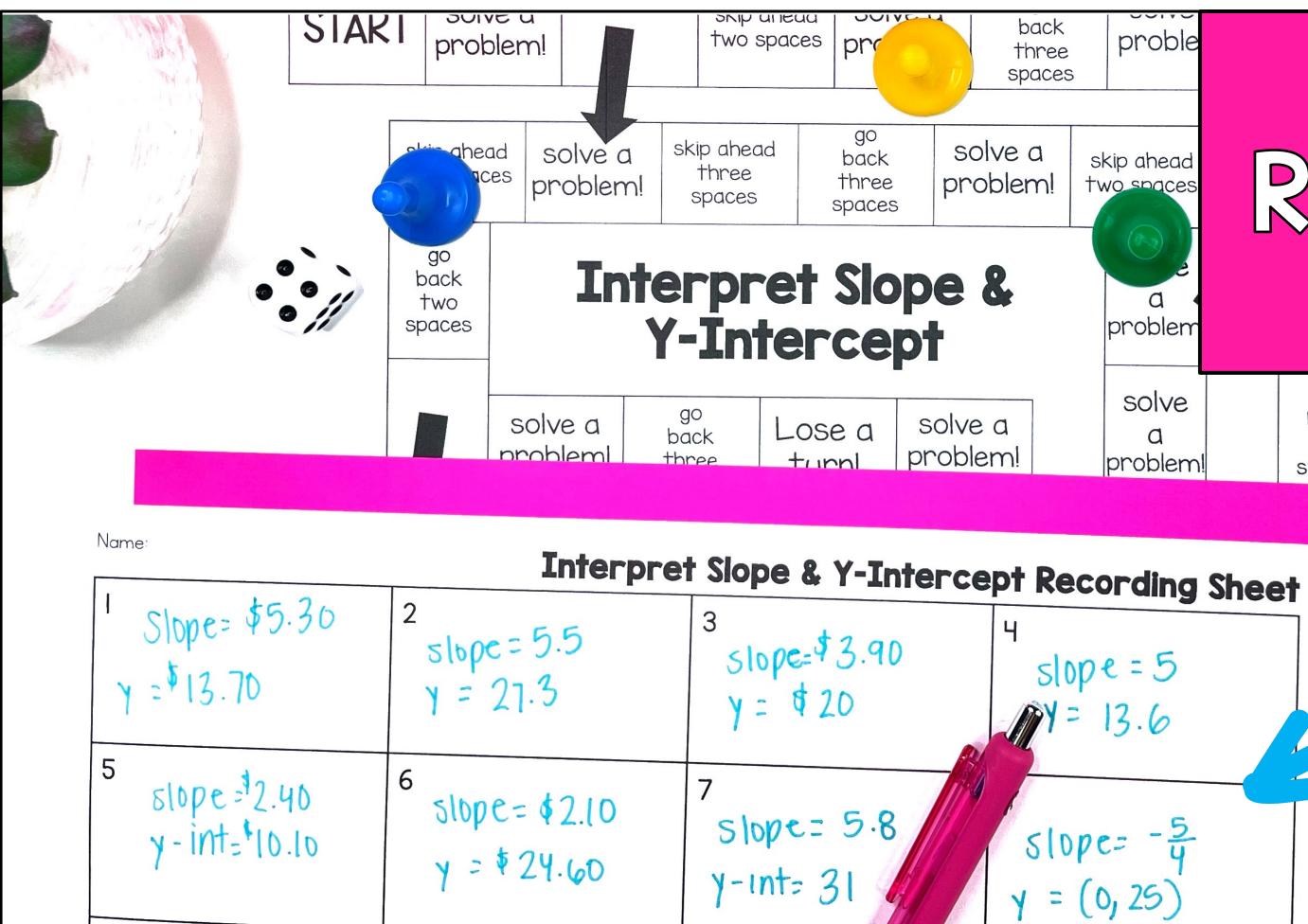
Remind students

just an added

You'll need a dice or a spinner for each game board and a game piece for each player.

The person whose name comes first in alphabetical order will play first in the game. Roll the die and move that number of spaces on the game board. Each person will solve the problem on their own recording sheet. Everyone will double check their answers with each other. If you have the same correct answers, the next person should roll the die. If you have different answers, discuss it with your team. Find a mistake in your work or try to solve the same problem again, then the next player may go.

If you land on a space with an arrow, you must solve the problem before moving to the next space. \*If you finish early, play the game again.



y-int= 31

y = \$ 24.60

10

### Student Recording Sheef

back two spaces

An ice skating rental ser \$24.60 initial flat rate and \$2.10 per hour. In this situa value of the slope and the

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# 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.

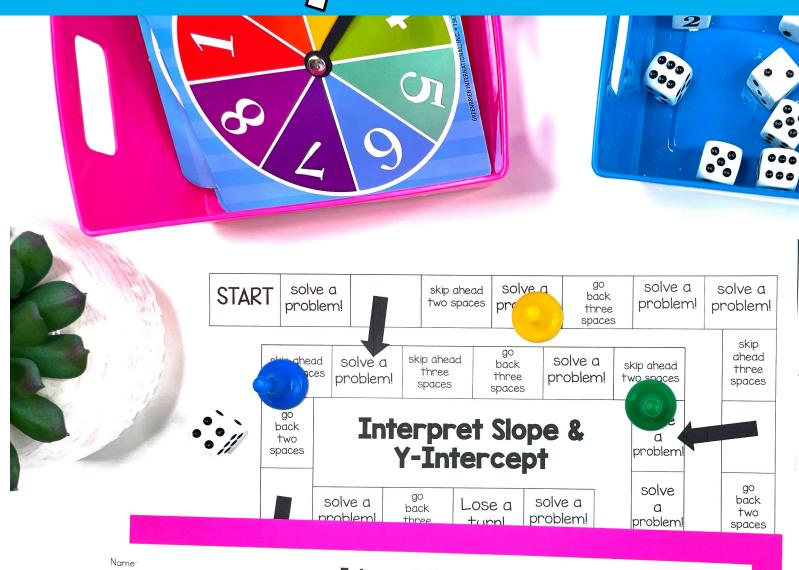
Show students how to compare and discuss answers. Did you both get the same answer? If students get different answers, ask them to solve the problem using a different strategy or help coach each other through the problem.

### 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!



Interpret Slope & Y-Intercept Recording Sheet Slope= \$5.30 slope = 5.5 slope=\$3.90 slope=5 y = 27.3y = \$ 20 MY = 13.6 slope=12.40 slope = \$2.10 slope= 5.8 Slope= - 5 y-int=10.10 y = \$ 24.60 y-int= 31 y = (0,25)

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15 19 19 25 \*

5 10 15 25 \*

doll's price (\$)

An ice skating rental service charges a \$24.60 initial flat rate and then an additional \$2.10 per hour. In this situation, what is the value of the slope and the y-intercept?

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