

# Interpret Slope & Y-Intercept

SCROLL  
to take a look inside!

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	solve a problem!	skip ahead three spaces	go back three spaces	solve a problem!	skip ahead two spaces	skip ahead three spaces
go back two spaces	<b>Interpret Slope &amp; Y-Intercept</b>				solve a problem!		
	solve a problem!	go back three	Lose a turn!	solve a problem!	solve a problem!	go back two spaces	

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

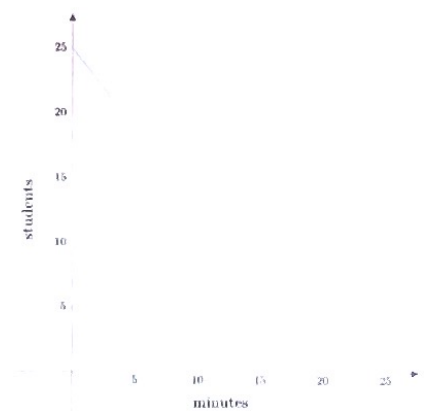
**Interpret Slope & Y-Intercept Recording Sheet**

1 Slope = \$5.30 y = \$13.70	2 slope = 5.5 y = 27.3	3 slope = \$3.90 y = \$20	4 slope = 5 y = 13.6
5 slope = \$2.40 y-int = \$10.10	6 slope = \$2.10 y = \$24.60	7 slope = 5.8 y-int = 31	8 slope = $-\frac{5}{4}$ y = (0, 25)
9	10	11	12



# Math Skills Included:

8 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 (y-axis) 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?



5 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?

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 y-intercept?



15 Determine the slope and y-intercept.

x	y
0	-2
3	25
6	52
9	79

16 Determine the slope and y-intercept.

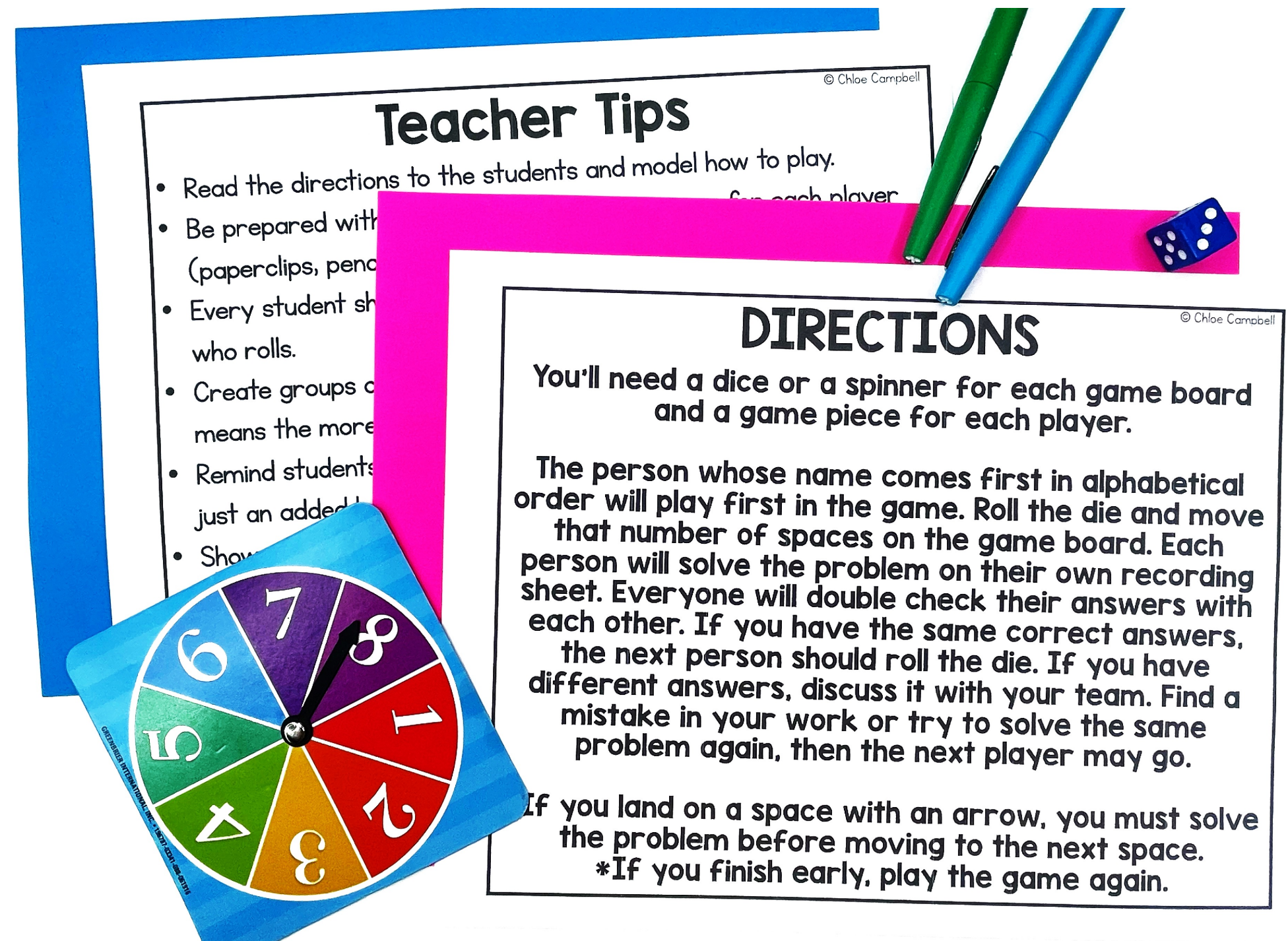
x	y
5	35

Determine and interpret the slope and y - intercept of a 2 variable linear equation



# You'll Receive

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





# Student Recording Sheet

## Interpret Slope & Y-Intercept

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



# 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!

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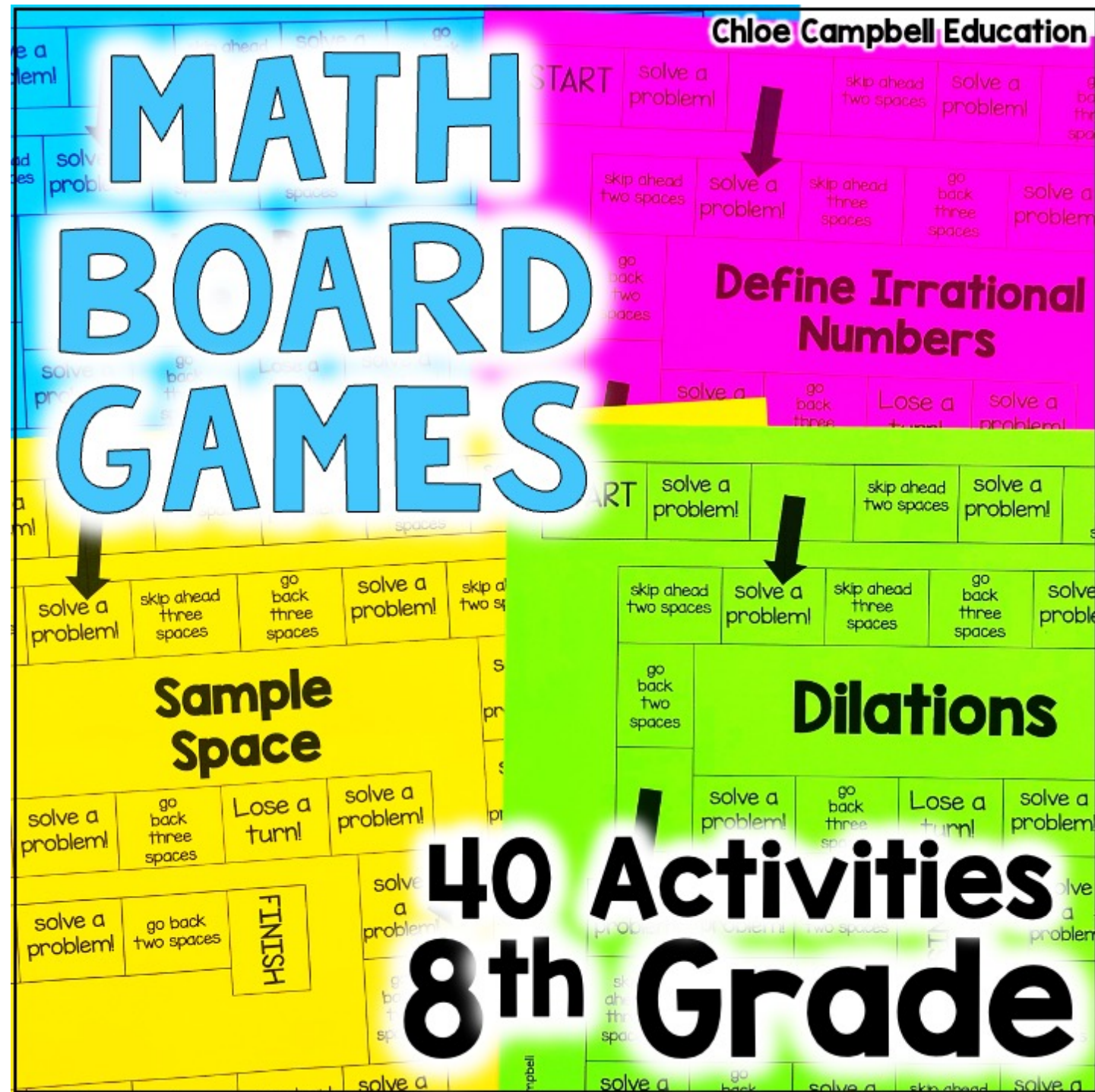


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