

Graph Slope Intercept Form

SCROLL
to take a look inside!

It costs an appliances comp
rate of \$10 to request a shipm
with an additional \$3 charged
equation in slope-intercept
represents the number of items manufactured,
and y represents the total cost of the
appliances.

$$y = 3x + 10$$

Write the equ
intercept

$$y = 2$$

Write the equation
form

$$y = (-3x) - 5$$

Graphing Slope-Intercept Form

START	solve a problem!	skip ahead two spaces	solve a problem!	go back three spaces	solve a problem!	solve a problem!
skip ahead two 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	Graphing Slope-Intercept Form				solve a problem!	skip ahead three spaces
solve a problem!	go back three spaces	Lose a turn!	solve a problem!	solve a problem!	go back two spaces	go back two spaces
solve a problem!	solve a problem!	go back two spaces	FINISH	solve a problem!	solve a problem!	solve a problem!
skip ahead three spaces				go back two spaces	solve a problem!	skip ahead three spaces
solve a problem!	go back three spaces	solve a problem!	skip ahead two spaces	solve a problem!	solve a problem!	solve a problem!

Math Skills Included:

Graph a two variable linear equation from a written description, a table, or an equation in slope intercept form

To join the fencing club, there is a \$8 initial fee and a \$4 yearly fee. Write an equation in slope-intercept form where x represents the number of years enrolled in the club, and y represents the total amount of fees paid.

$$y = 4x + 8$$

Write the equation in slope-intercept form.

$$y = 2x - 1$$

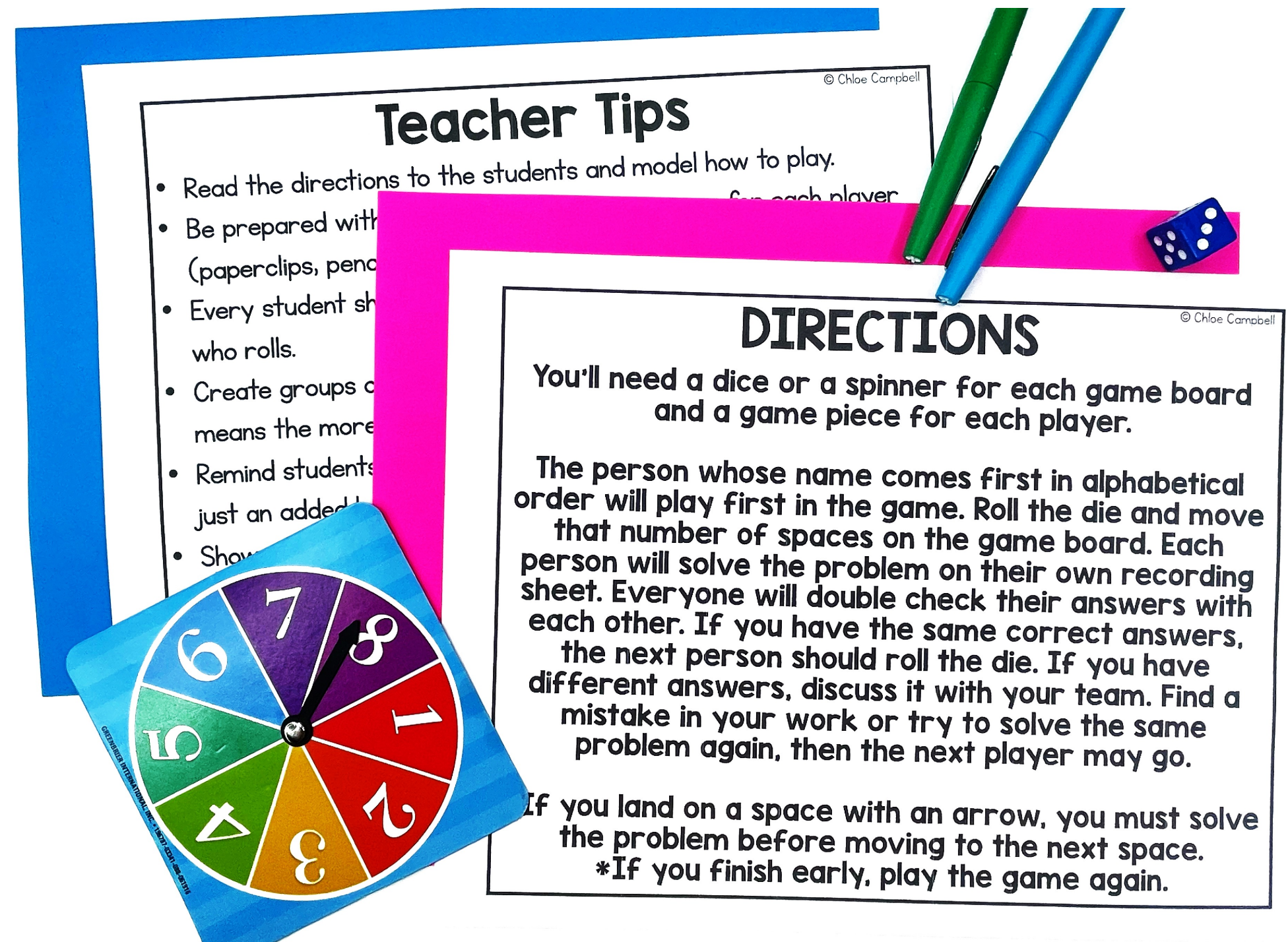
Write the equation in slope-intercept form.

$$y = \left(-\frac{3}{4}x\right) + 10$$

x	y
0	10
4	7
8	4
12	1

You'll Receive

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



START

solve a problem!



solve a problem!

go back three spaces

solve a problem!

solve a problem!

skip ahead two spaces



solve a problem!

skip ahead three spaces

go back three spaces

solve a problem!

skip ahead two spaces



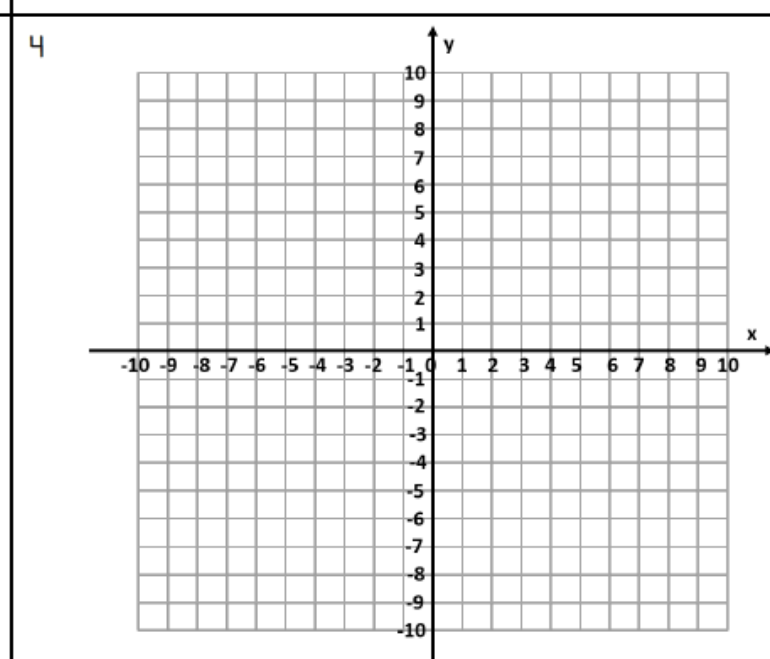
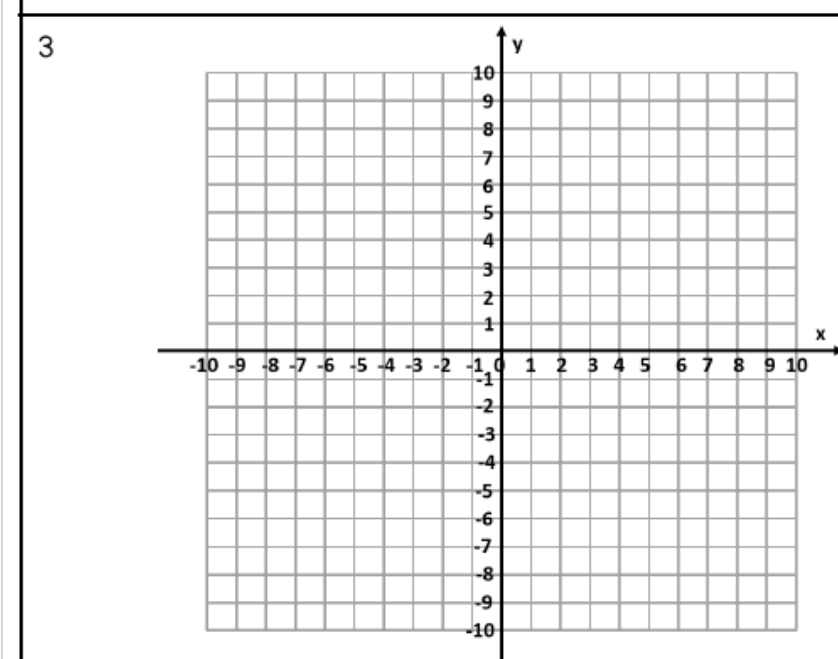
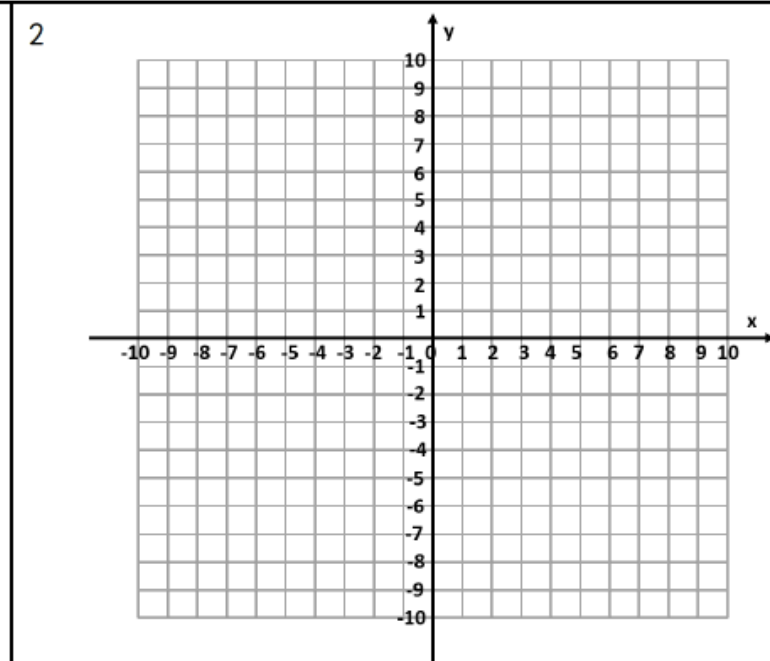
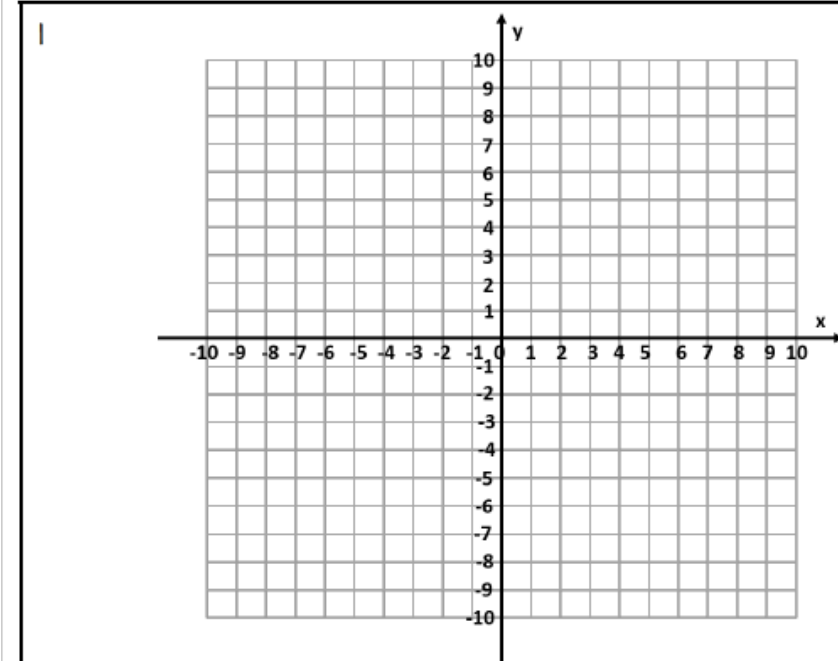
skip ahead three spaces

go back two spaces

Graphing Slope-Intercept Form

solve a problem!

Graphing Slope-Intercept Form Recording Sheet



Student Recording Sheet

represents the number of pounds of cans recycled and y represents the total amount recycled.

$y =$

Write the equation in slope-intercept form.

$$y = 2x - 1$$

Write the equation in slope-intercept form.

$$y = \left(-\frac{3}{4}x\right) + 10$$

x	y
0	10
4	7
8	4
12	1

7 Al collected 2 pounds of cans to recycle and plans to collect 2 more pounds each week. Write an equation in slope-intercept form where x represents the number of weeks Al has been recycling cans, and y represents the total amount recycled.

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!

The image displays a collection of educational materials designed to teach slope-intercept form in a game-like context. At the top, a blue banner features the text "Students won't even realize they are learning!". Below this, a game board titled "Graphing Slope-Intercept Form" is shown. The board includes a "START" space and several instruction spaces such as "solve a problem!", "skip ahead two spaces", "go back three spaces", and "skip ahead three spaces". A blue game piece is positioned on the board, and a yellow game piece is also visible. To the left of the game board is a small potted succulent. Below the game board is a "Graphing Slope-Intercept Form Recording Sheet" with four coordinate planes labeled 1, 2, 3, and 4. Each plane has x and y axes ranging from -10 to 10. To the right of the recording sheet, there are three math problems. The first problem states: "It costs an appliances company an initial flat rate of \$10 to request a shipment of products, with an additional \$3 charged per item. Write an equation in slope-intercept form where x represents the number of items manufactured, and y represents the total cost of the appliances." The equation $y = 3x + 10$ is written below. The second problem states: "Write the equation in slope-intercept form." The equation $y = 2x - 1$ is written below. The third problem states: "Write the equation in slope-intercept form." The equation $y = (-\frac{3}{4}x) + 10$ is written below. Below the equation is a table with x and y values:

x	y
0	10
4	7
8	4
12	1

. At the bottom right, there is a problem about recycling cans: "Al collected 2 pounds of cans to recycle and plans to collect 2 more pounds each week. Write an equation in slope-intercept form where x represents the number of weeks Al has been recycling cans, and y represents the total amount recycled." The equation $y = 2x + 2$ is written below.

Graphing Slope-Intercept Form

Graphing Slope-Intercept Form Recording Sheet

1

2

3

4

It costs an appliances company an initial flat rate of \$10 to request a shipment of products, with an additional \$3 charged per item. Write an equation in slope-intercept form where x represents the number of items manufactured, and y represents the total cost of the appliances.

$$y = 3x + 10$$

Write the equation in slope-intercept form.

$$y = 2x - 1$$

Write the equation in slope-intercept form.

$$y = (-\frac{3}{4}x) + 10$$

x	y
0	10
4	7
8	4
12	1

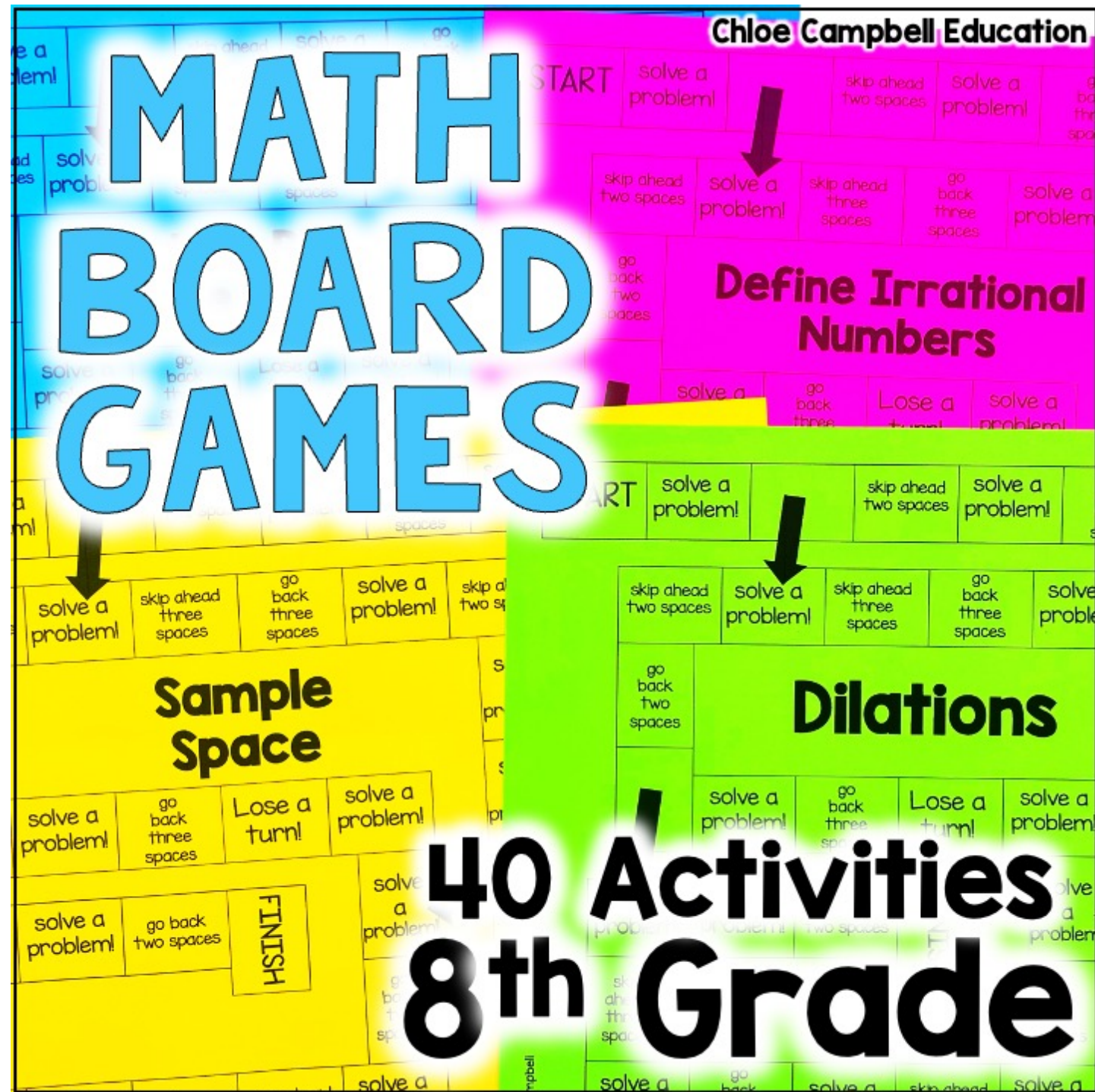
Al collected 2 pounds of cans to recycle and plans to collect 2 more pounds each week. Write an equation in slope-intercept form where x represents the number of weeks Al has been recycling cans, and y represents the total amount recycled.

$$y = 2x + 2$$

ADD TO CART

Purchase now to see
student engagement
and student
achievement increase!

Save MONEY and Get the BUNDLE!



Click
Here for
the
Bundle!