

# Linear Functions

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

go back two spaces solve a problem! solve a problem! go back two spaces

**Linear Functions**

Determine whether the function is a linear function.

$y = 9x + 3 + 11$

x	y
-2	-7
12	-15

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

**Linear Functions Recording Sheet**

1 Yes	2 yes	3 No	4 No
5 Yes	6 No	7 No	8 Yes
9 Yes	10 No	11 Yes	12 No
13	14	15	16

**SCROLL**  
to take a look inside!



# Math Skills Included:

## Determine if the function is a linear function.



Determine whether the function is a linear function.

$$y = -4x + 3$$

12

Determine whether the function is a linear function.

x	y
-19	-20
-19	-12
54	-9

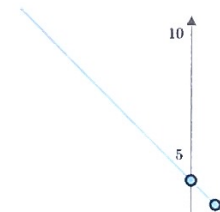
6

Determine whether the function is a linear function.

$$y = 9x^3 + 11$$

5

Determine whether the function is a linear function.



9

Determine whether the function is a linear function.

10

Determine whether the function is a linear function.

x	y
1	2
2	4
3	6



# You'll Receive

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





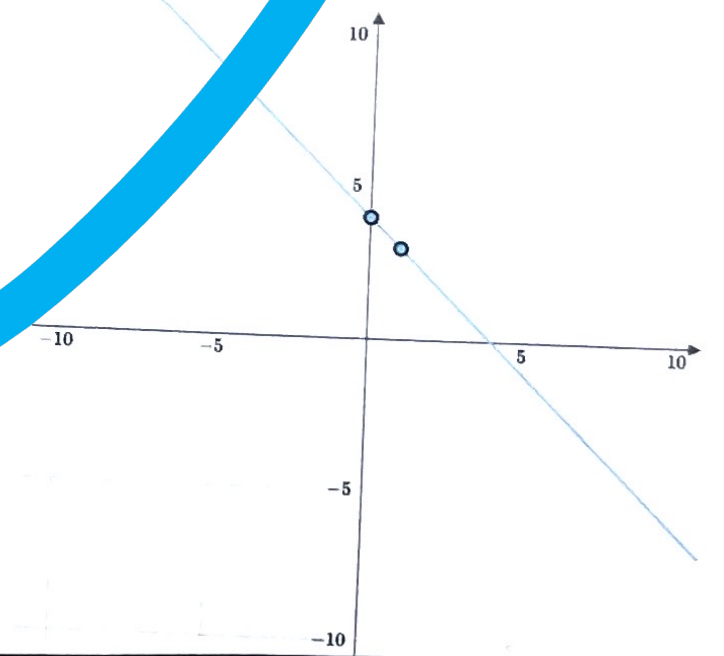
# Student Recording Sheet

## Linear Functions

### Linear Functions Recording Sheet

1 Yes	2 yes	3 NO	4 NO
5 Yes	6 No	7 No	8 Yes
9 Yes	10 No	11 Yes	12 NO
13	14		16

Determine whether the function is a linear function.



Determine whether the function is a linear function.

x

y



# 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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go back two spaces solve a problem! solve a problem! solve a problem! go back two spaces

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$$y=9x^3+11$$

Determine whether the function is a linear function.

x	y
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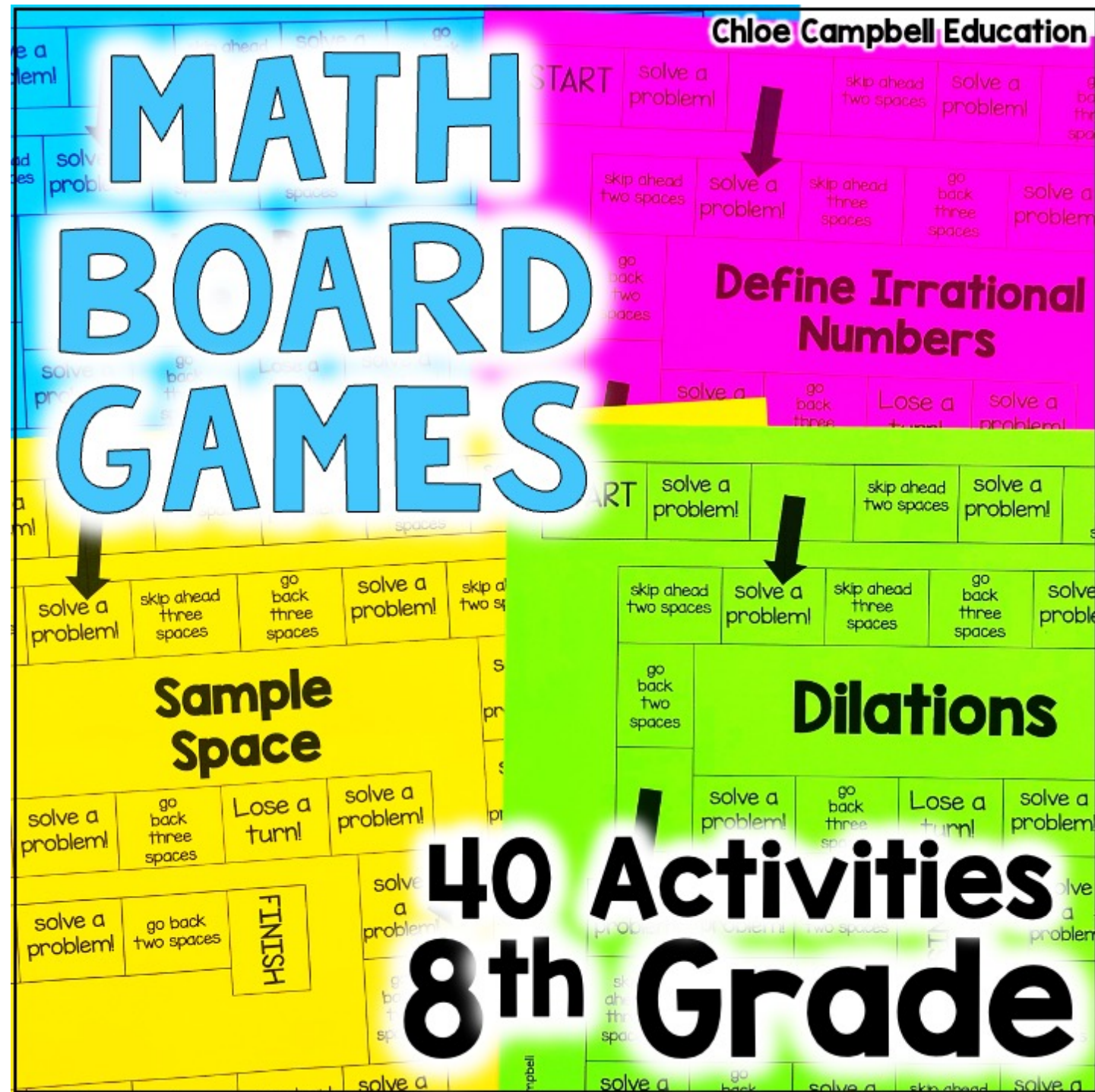
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