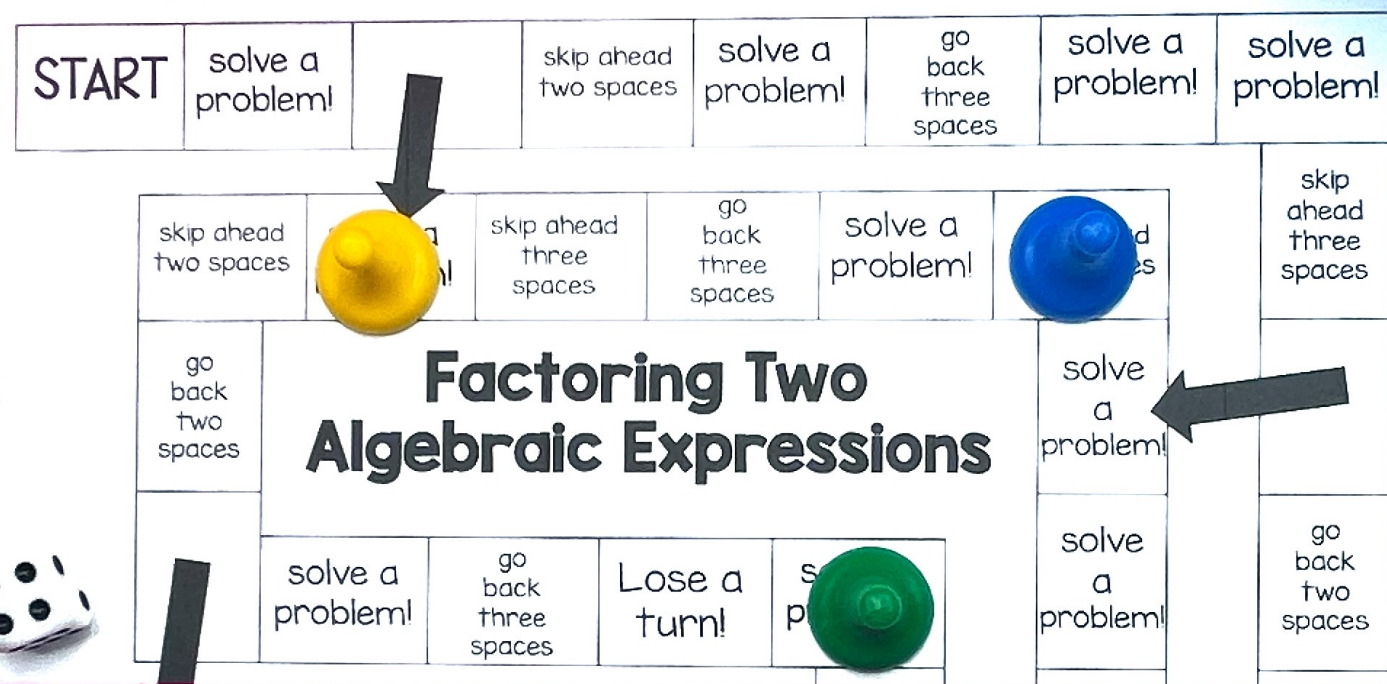


Factoring Two

Algebraic Expressions

SCROLL
to take a look inside!



$$\begin{array}{r} 20 \\ -40mn + 10b^4 + \\ 16 \\ -27z^2 + 9z \\ 8 \end{array}$$

Name _____ Factoring Two Algebraic Expressions Recording Sheet

1 $-4(3y-10)$	2 $8(5y+9)$	3 $18(a+2)$	4 $-4(z-9)$
5 $36(-y+4)$	6 $3(y+9)$	7 $5(2z+9)$	8 $-12(y-1)$
9 $-10(3y-25)$	10 $4(3b+4)$	11 $3x(-2x+1)$	12 $-9z(3z-1)$
13	14	15	16

Math Skills Included:

Rewrite the sum of two algebraic expressions having a common monomial factor as a common factor multiplied by the sum of two algebraic expressions



You'll Receive

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



Factoring Two Algebraic Expressions

go back two spaces

solve a problem!

solve a problem!

go back three spaces

Lose a turn!

solve a problem!

solve a problem!

go back two spaces

Student Recording Sheet

Name: _____

Factoring Two Algebraic Expressions Recording Sheet

1 $-4(3y-10)$	2 $8(5y+9)$	3 $18(a+2)$	4 $-4(z-9)$
5 $36(-y+4)$	6 $3(y+9)$	7 $5(2z+9)$	8 $-12(y-1)$
9 $-10(3y-25)$	10 $4(3b+4)$	11 $3x(-2x+1)$	12 $-9z(3z-1)$
13	14	15	16

$$\frac{-12y + 12}{5}$$

$$-36y + 144$$

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!

Factoring Two Algebraic Expressions

Factoring Two Algebraic Expressions Recording Sheet

1	2	3	4
$-4(3y-16)$	$8(5y+9)$	$18(a+2)$	$-4(z-9)$
$36(-y+4)$	$3(y+9)$	$5(2z+9)$	$-12(y-1)$
$-10(3y-25)$	$4(3b+4)$	$3x(-2x+1)$	$-9z(3z-1)$

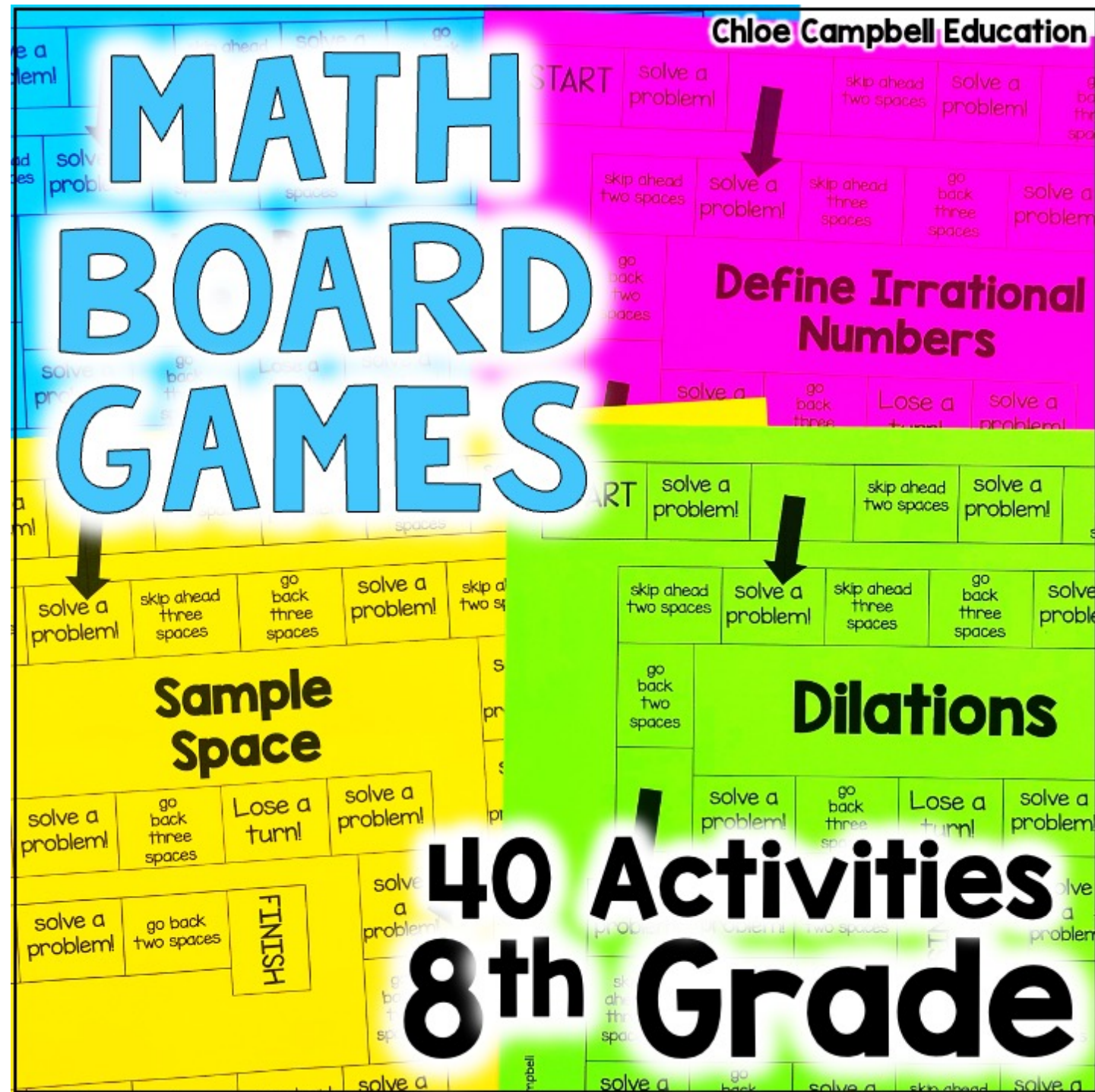
Algebraic Expressions:

- $-40mn + 10m$
- $10b^4 + 80b^2$
- $-27z^2 + 9z$
- $-12y + 12$
- $-36y + 144$

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and student
achievement increase!

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