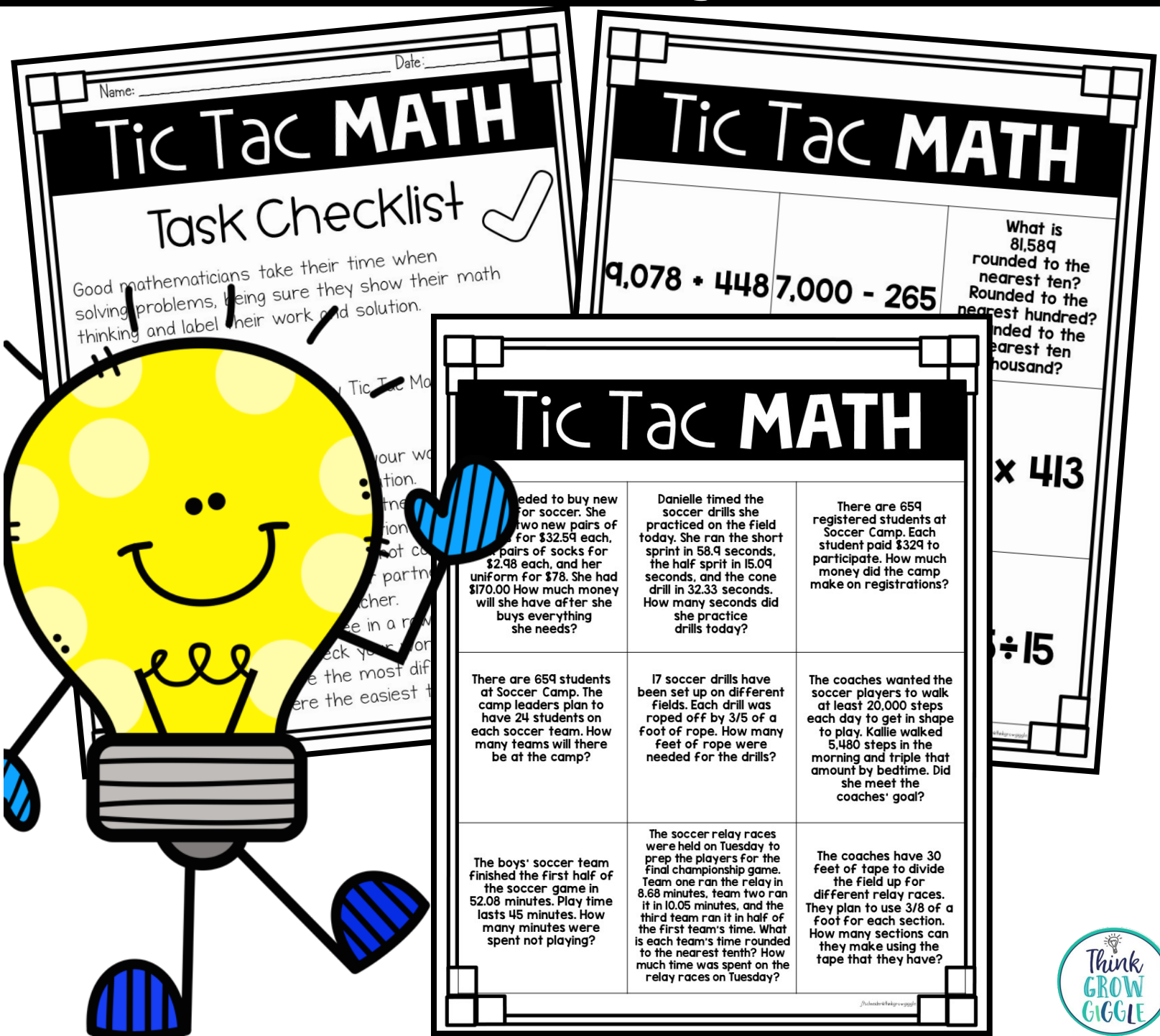
tic tac MATH!

Leveled Math Skills and Problem Solving Games



Think GROW GIGGLE

Teacher Notes

This Tic Tac Math Sample Pack includes games that are easy to use and perfect to engage students at any time during the year. Two types of games are included, basic skills games and problem solving games.

Contents of Sample Pack:

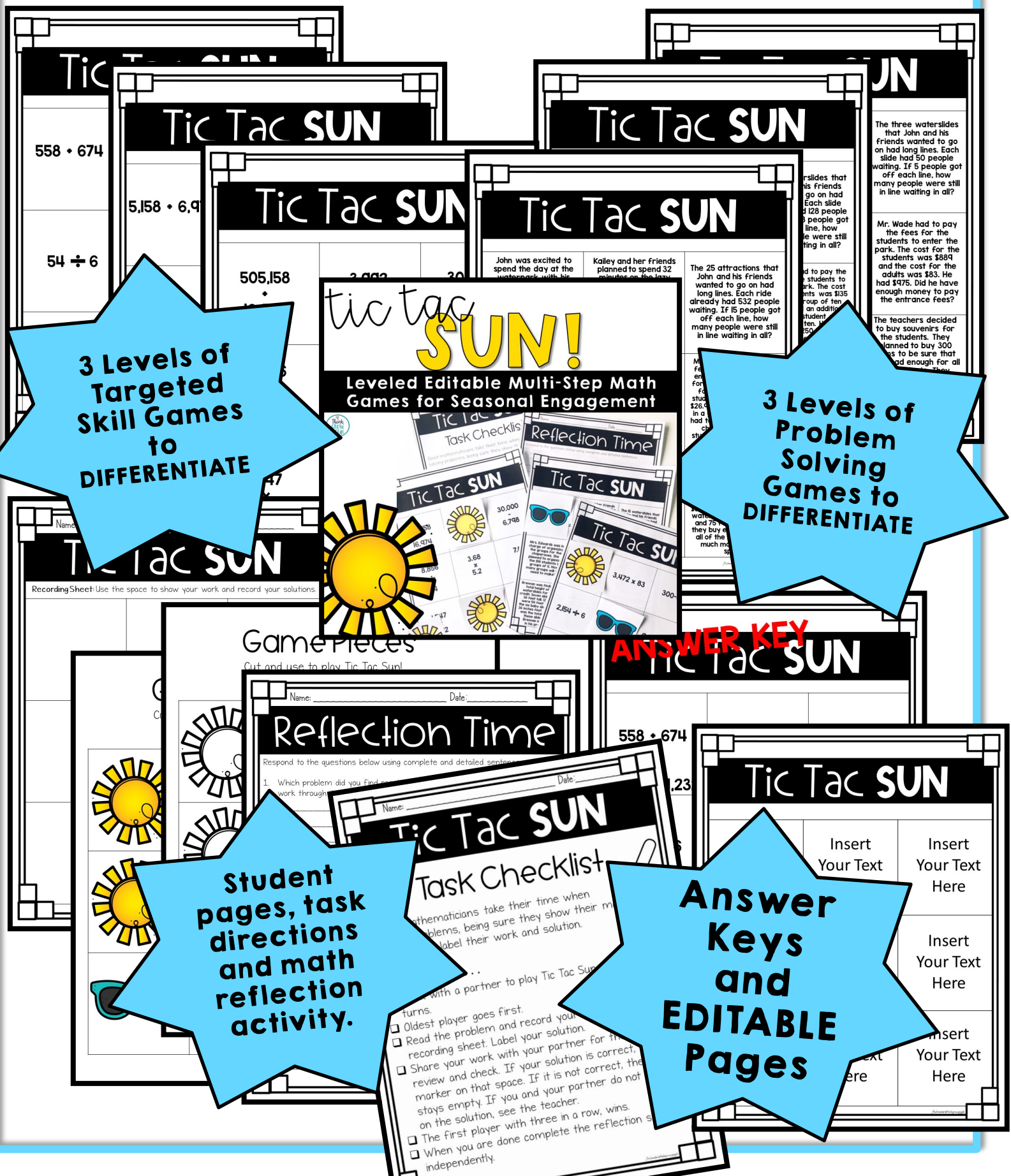
(See next page for everything included in each full pack)

- ✓ *Student task checklist*
- ✓ *Student calculations and work page to solve problems*
- ✓ *Student game pieces (color and BW)*
- ✓ *Two levels of Skills Games (Level 1 and Level 2)*
- ✓ *One level of Problem Solving Game (Level 3)*

To play *Tic Tac Math*, students must correctly solve a problem before placing their game piece on the Tic Tac Math board. Student work area sheet is included so that students can show their work when solving. Every student partner must check each others' work before a student can claim the box as their own. You can have students check their work with or without calculators or provide the answer key to them to help them check each other's work. Laminate the games and have the students use the game pieces included, any blocks you have on had, or make copies of the game and have students write in an X or O in the box that they solved correctly. Student task directions will keep students on track while playing, especially if used during math center or math station rotation.

Happy Teaching!

Included in EVERY Tic Tac Math Set:



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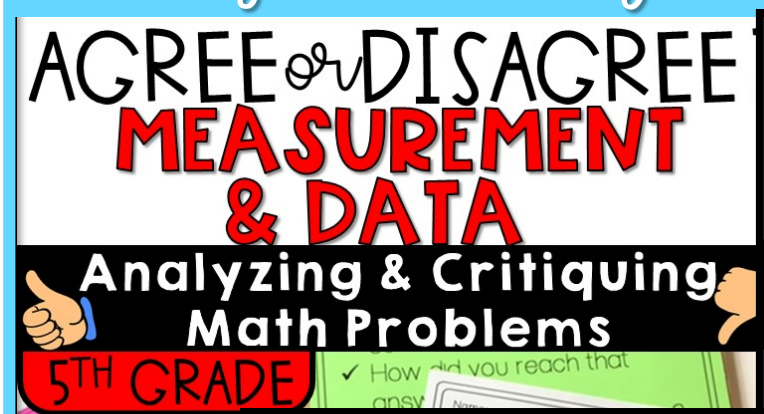

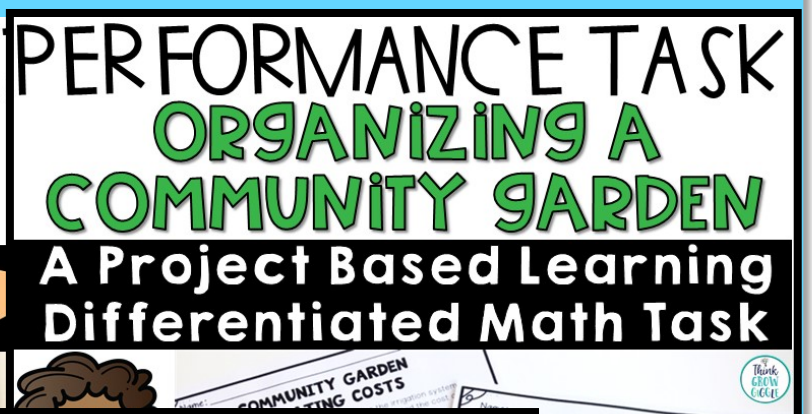

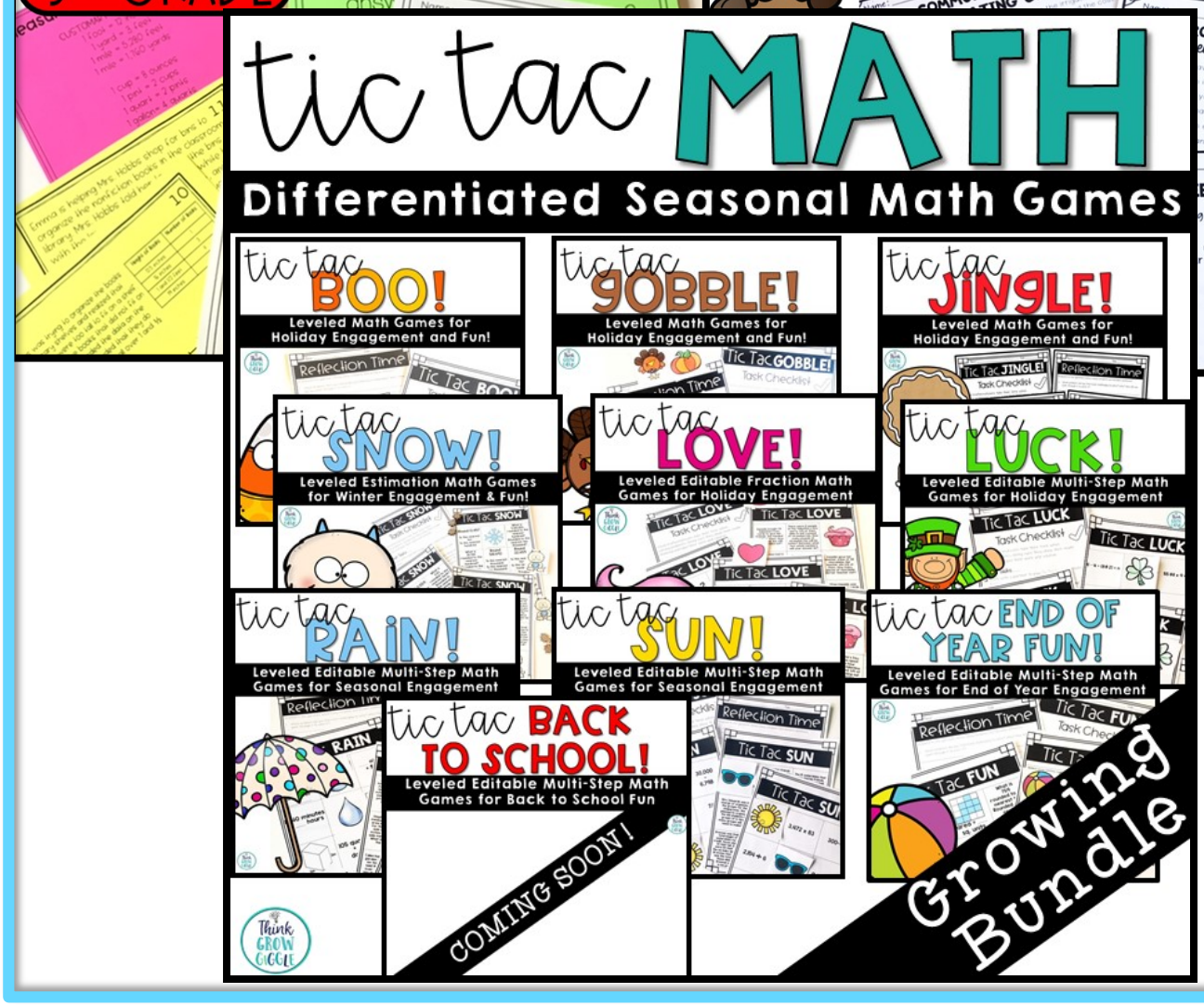

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Jeanine

About the Teacher-Author

Hi, I'm Jeanine from Think Grow Giggle! I have loved spending the past 17 years in the classroom teaching! I graduated with a bachelor degree in Elementary Education and American Studies. I hold two master's degrees; one in educational technology and one in reading instruction. I am currently teaching 5th graders after spending 16 years teaching 3rd graders. I am certified to be both a classroom teacher and reading specialist. I enjoy living by the beach on Long Island and spending free time with my husband and children.

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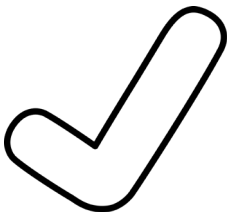
Name: _____ Date: _____

Tic Tac MATH

Task Checklist



Good mathematicians take their time when solving problems, being sure they show their math thinking and label their work and solution.

Your Tasks . . .

- ❑ Work with a partner to play Tic Tac Math alternating turns.
- ❑ Youngest player goes first.
- ❑ Read the problem and record your work on your recording sheet. Label your solution.
- ❑ Share your work with your partner for them to review and check. If your solution is correct, place a marker on that space. If it is not correct, the space stays empty. If you and your partner do not agree on the solution, see the teacher.
- ❑ The first player with three in a row wins.
- ❑ When you are done, check your work and reflect on which problems were the most difficult for you to solve and which were the easiest to solve.

Name: _____ Date: _____

Tic Tac MATH

Recording Sheet: Use the space to show your work and record your solutions.

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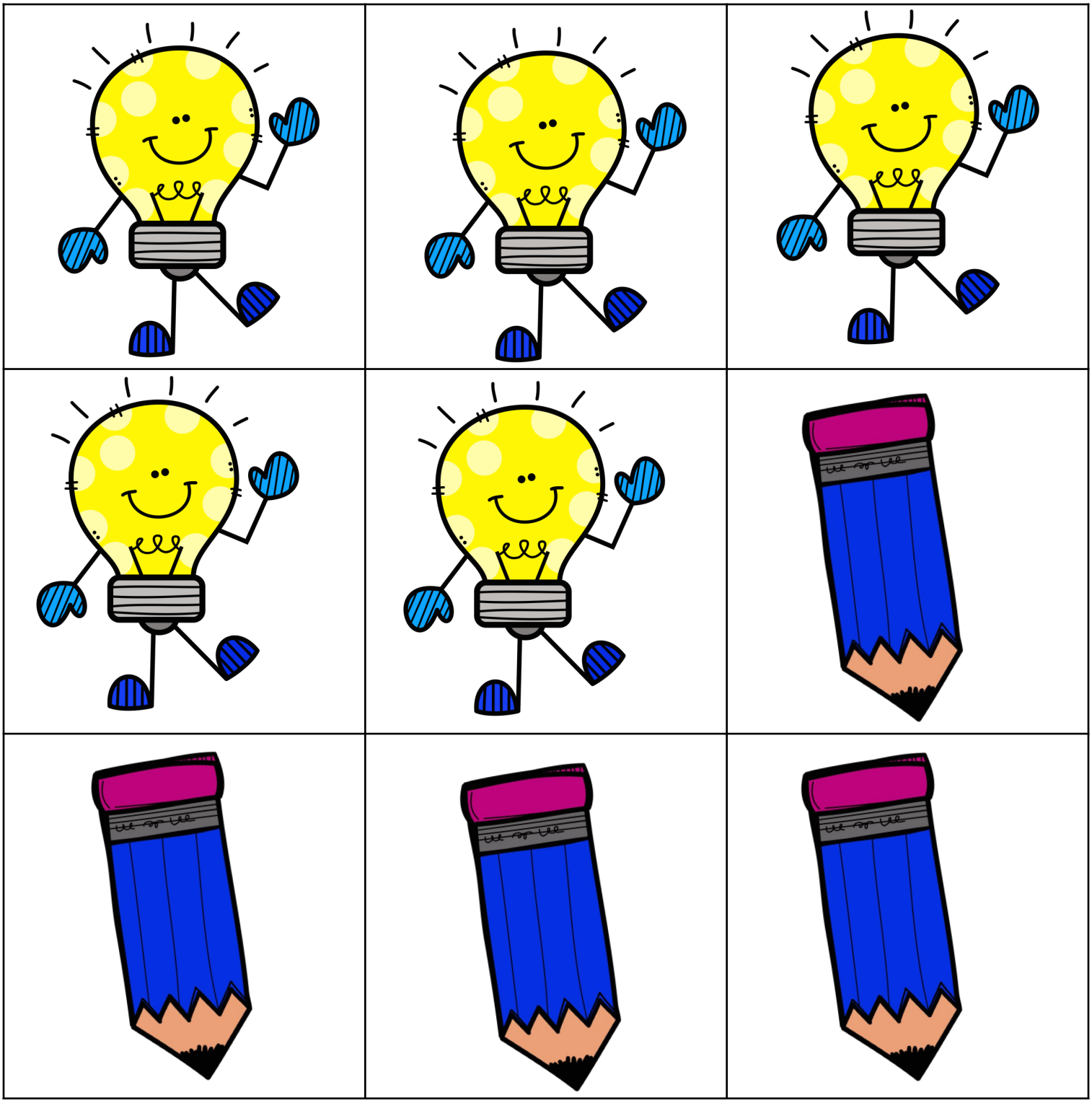
Game Pieces

Cut and use to play Tic Tac Math!



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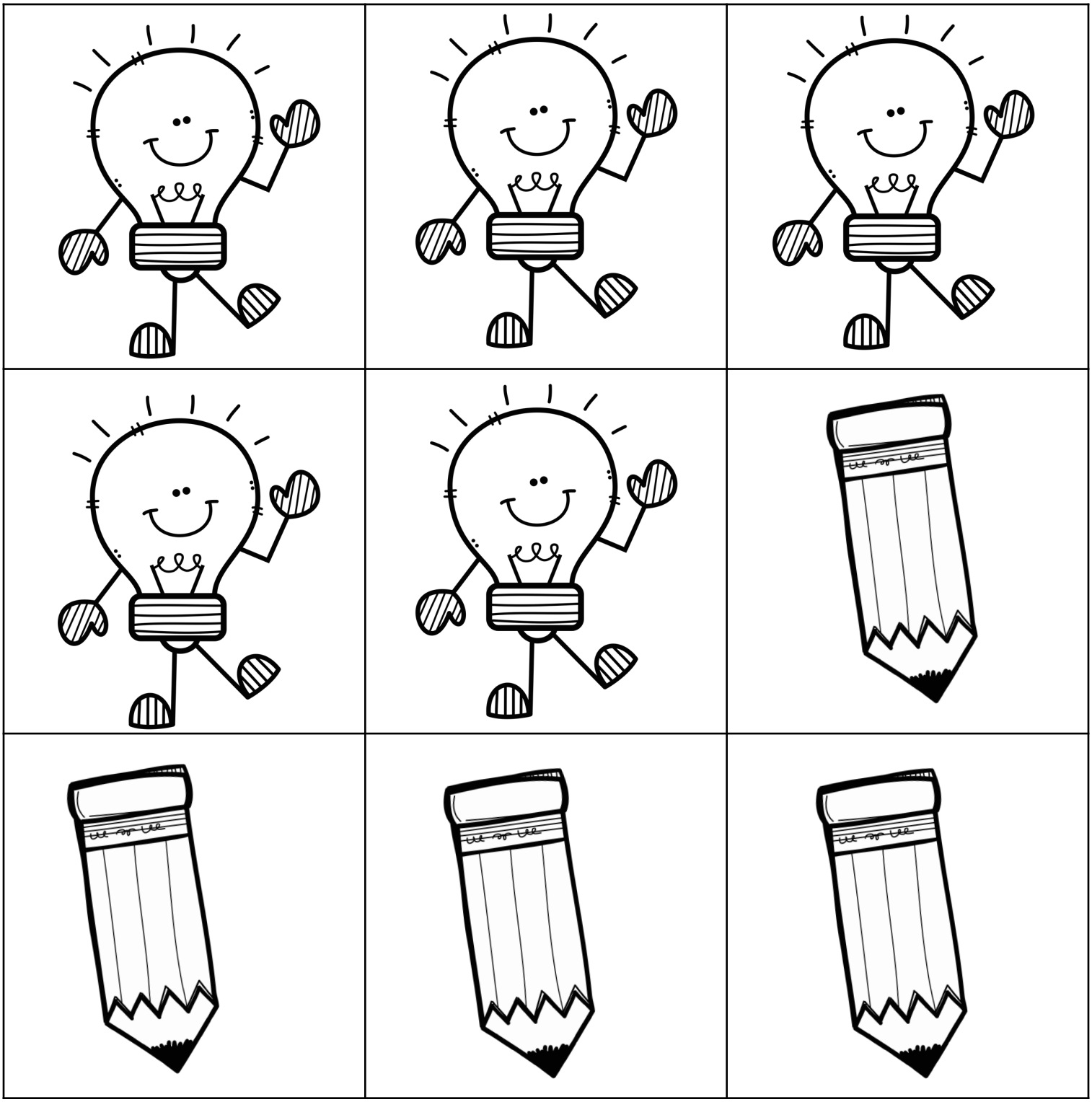
Game Pieces

Cut and use to play Tic Tac Math!



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level 1

Skills include:

Addition
Subtraction
Multiplication
Division
Estimation

Tic Tac MATH

558 + 674	708 - 455	What is 869 rounded to the nearest ten? Rounded to the nearest hundred?
9 x 10	369 + 587	12 x 3
452 - 288	What is 707 rounded to the nearest ten? Rounded to the nearest hundred?	48÷6

ANSWER KEY

Tic Tac MATH

558 + 674 1,232	708 - 455 253	What is 869 rounded to the nearest ten? Rounded to the nearest hundred? 870 900
9 x 10 90	369 + 587 956	12 x 3 36
452 - 288 164	What is 707 rounded to the nearest ten? Rounded to the nearest hundred? 710 700	48÷6 8

level 2

Skills include:

Addition
Subtraction
Multiplication
Division
Estimation
with large multi-digit numbers

Tic Tac MATH

9,078 + 448	7,000 - 265	What is 81,589 rounded to the nearest ten? Rounded to the nearest hundred? Rounded to the nearest ten thousand?
59 x 12	352÷16	121 x 413
4,008 - 479	What is 105,497 rounded to the nearest ten? Rounded to the nearest hundred? Rounded to the nearest thousand?	315÷15

ANSWER KEY

Tic Tac MATH

9,078 + 448 9,526	7,000 - 265 6,735	What is 81,589 rounded to the nearest ten? Rounded to the nearest hundred? Rounded to the nearest ten thousand? 81,590 81,600 82,000
59 x 12 708	352÷16 22	121 x 413 49,973
4,008 - 479 3,529	What is 105,497 rounded to the nearest ten? Rounded to the nearest hundred? Rounded to the nearest thousand? 105,500 105,500 105,000	315÷15 21

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level 3

Problem Solving Skills include:

Addition
Subtraction
Multiplication
Division
Estimation

with large multi-digit numbers, fractions and decimals

Tic Tac MATH

Kallie needed to buy new gear for soccer. She bought two new pairs of cleats for $32.59 each, six pairs of socks for $2.98 each, and her uniform for $78. She had $170.00 How much money will she have after she buys everything she needs?	Danielle timed the soccer drills she practiced on the field today. She ran the short sprint in 58.9 seconds, the half sprit in 15.09 seconds, and the cone drill in 32.33 seconds. How many seconds did she practice drills today?	There are 659 registered students at Soccer Camp. Each student paid $329 to participate. How much money did the camp make on registrations?
There are 659 students at Soccer Camp. The camp leaders plan to have 24 students on each soccer team. How many teams will there be at the camp?	17 soccer drills have been set up on different fields. Each drill was roped off by 3/5 of a foot of rope. How many feet of rope were needed for the drills?	The coaches wanted the soccer players to walk at least 20,000 steps each day to get in shape to play. Kallie walked 5,480 steps in the morning and triple that amount by bedtime. Did she meet the coaches' goal?
The boys' soccer team finished the first half of the soccer game in 52.08 minutes. Play time lasts 45 minutes. How many minutes were spent not playing?	The soccer relay races were held on Tuesday to prep the players for the final championship game. Team one ran the relay in 8.68 minutes, team two ran it in 10.05 minutes, and the third team ran it in half of the first team's time. What is each team's time rounded to the nearest tenth? How much time was spent on the relay races on Tuesday?	The coaches have 30 yards of tape to divide the field up for different relay races. They plan to use 3/8 of a yard for each section. How many sections can they make using the tape that they have?

ANSWER KEY

Tic Tac MATH

Kallie needed to buy new gear for soccer. She bought two new pairs of cleats for $32.59 each, six pairs of socks for $2.98 each, and her uniform for $78. She had $170.00 How much money will she have after she buys everything she needs? $8.94	Danielle timed the soccer drills she practiced on the field today. She ran the short sprint in 58.9 seconds, the half sprit in 15.09 seconds, and the cone drill in 32.33 seconds. How many seconds did she practice drills today? 106.32 seconds	There are 659 registered students at Soccer Camp. Each student paid $329 to participate. How much money did the camp make on registrations? $216,811
There are 659 students at Soccer Camp. The camp leaders plan to have 24 students on each soccer team. How many teams will there be at the camp? The teams will not be even. There will be 27 teams of 24 students, with 11 students left over.	17 soccer drills have been set up on different fields. Each drill was roped off by 3/5 of a foot of rope. How many feet of rope were needed for the drills? 10 and 1/5 feet of rope was used.	The coaches wanted the soccer players to walk at least 20,000 steps each day to get in shape to play. Kallie walked 5,480 steps in the morning and triple that amount by bedtime. Did she meet the coaches' goal? Yes, she met the goal and walked 21,920 steps so she went over by 1,920 steps.
The boys' soccer team finished the first half of the soccer game in 52.08 minutes. Play time lasts 45 minutes. How many minutes were spent not playing? 7.08 minutes were spent not playing.	The soccer relay races were held on Tuesday to prep the players for the final championship game. Team one ran the relay in 8.68 minutes, team two ran it in 10.05 minutes, and the third team ran it in half of the first team's time. What is each team's time rounded to the nearest tenth? How much time was spent on the relay races on Tuesday? Team 1 = 8.7 Team 2 = 10.1 Team 3 = 4.3 Total time = 23.07 minutes	The coaches have 30 yards of tape to divide the field up for different relay races. They plan to use 3/8 of a yard for each section. How many sections can they make using the tape that they have? They can have 80 sections.