



PIE MONSTER MAT & GAME BOARD

Place the game mats in plastic sleeves or laminate them so students can use dry erase markers on them and be able to use the mat multiple times.

Pie Monster Game Mat (Gr. K-5)

- Give each student or pair of students a Pie Monster Game Mat and math tools such as centimeter cubes, bingo chips, etc.
- Tell a story about the number of pies the monster wants to eat, how many pies are on the conveyor belt ready for the monster, and ask how many more pies are needed to feed the monster. Have the students represent the story on their game mats and solve the problem.
- Ask students to tell a story about the pies and represent their story on the game mat. Tell them to make sure that part of the story is missing and needs to be solved. Discuss what is known and unknown in their story problem.
- Have other students represent the story on their mats and solve the problem.
- Have students share their mats and prove that it matches the puzzle. Discuss their solutions.
- Have students write an equation to represent the story and solution.
- Older students should include fractions in their stories. They will need to partition the pies on the mat to represent the story.

Pie Monster Puzzle Extension

Ideas for using the game board:

- Each player will roll a number cube and write that number on one of the monsters. After both players have written their numbers in a bothey will determine the numbers that should go in the empty boxes to make the puzzle true.
- Players may use addition or subtraction.
- The goal is to make as many true puzzles as possible. When the timer runs out the one with the most true puzzles wins.
- Players can challenge each other to prove their answers are correct.

