


THE CASE OF THE PIZZA PARLOR PUZZLE



FRACTIONS

4th-5th Grade





SUPER STUDENT
SLEUTHS NEEDED!
**Step into the Magical
World of Mysteries!**

Students won't realize they are practicing key math and problem-solving skills! They will be immersed in the storytelling with original videos, letters, and puzzles.

Learn more!



4 Math Challenges



Pizza Parlor Puzzle Clue #1

Name: _____ Date: _____

Directions: Solve each addition fraction problem. After solving, find the letter that corresponds to the answer in the Decoding Key below. Write down each letter to reveal the first clue.

Problem	Answer	Letter
$\frac{1}{4} + \frac{2}{4}$		
$\frac{2}{7} + \frac{6}{10}$		
$\frac{3}{8} + \frac{3}{5}$		
$\frac{2}{12} + \frac{2}{2}$		

Problem	Answer	Letter
$\frac{3}{5} + \frac{1}{5}$		
$\frac{1}{4} + \frac{6}{8}$		
$\frac{1}{6} + \frac{6}{11}$		
$\frac{2}{5} + \frac{2}{5}$		

Decoding Key

Write down the letters you found in the order you solved the problems. What does it spell? Use the clue to cross off a suspect.

Your First Clue:

Pizza Parlor Puzzle Clue #2

Name: _____ Date: _____

Directions: Solve each subtraction fraction problem. After solving, find the letter that corresponds to the answer in the Decoding Key below. Write down each letter to reveal the first clue.

Problem	Answer	Letter
$\frac{1}{3} - \frac{1}{3}$		
$\frac{10}{20} - \frac{10}{20}$		
$\frac{6}{20} - \frac{6}{20}$		
$\frac{1}{5} - \frac{1}{5}$		

Problem	Answer	Letter
$\frac{3}{5} - \frac{1}{5}$		
$\frac{1}{4} - \frac{6}{8}$		
$\frac{1}{6} - \frac{6}{11}$		
$\frac{2}{5} - \frac{2}{5}$		

Your First Clue:

Pizza Parlor Puzzle Clue #3

Name: _____ Date: _____

Directions: Solve each addition or subtraction problem. After solving, find the letter that corresponds to the answer in the Decoding Key below. Write down each letter to reveal the first clue.

Problem	Answer	Letter
$10\frac{5}{6} - 5\frac{1}{6}$		
$11\frac{11}{12} - 8\frac{4}{12}$		
$20\frac{9}{12} - 9\frac{2}{12}$		
$14\frac{4}{10} - 13\frac{1}{3}$		

Your First Clue:

Pizza Parlor Puzzle Clue #4

Name: _____ Date: _____

6. A rose in Edwin's garden is $\frac{1}{2}$ of a foot tall. One week later, it is $\frac{1}{3}$ of a foot taller. How tall is the rose in one week?

7. A brown goose weighs $\frac{1}{3}$ of a pound. The brown goose weighs $\frac{4}{11}$ as much as the black goose. How much does the black goose weigh?

8. The students do experiments for $\frac{2}{5}$ of an hour and spend $\frac{1}{10}$ of an hour cleaning up. How much time do the students spend on experiments and cleaning up?

9. The green rope is $1\frac{5}{6}$ meters long. The blue rope is $\frac{1}{2}$ meter longer than the green rope. How long is the blue rope?

Your First Clue:

Write down the letters you found in the order you solved the problems. What does it spell? Use the clue to cross off a suspect.



- 4 Fraction Challenges
- Differentiated on 2 levels
 - 🔍 Adding Fractions
 - 🔍 Subtracting Fractions
 - 🔍 Add & Subtract Mixed Fractions
 - 🔍 Word Problems
- Challenges are short
 - 🔍 1-2 Pages
 - 🔍 Each takes 10-15 minutes
- Decode a clue and eliminate a suspect

Learn more!

Be the Detective!

Unlock clues to eliminate suspects.

Once students find the culprit, they can scan the videos or use the “case file” to self-correct their work.

Learn more!





MagiCore Web [®]

Includes our popular and highly engaging MagiCore Web version!

- Easy to Use
- Self-Correcting
- Audio available
- Videos Integrated
- Animations and sound effects

Learn more!



	PDF 	MagiCore Web™ 
Format Type	Printable	Digital
Device	N/A	Any Device
Required Prep	Print & Go	Zero Prep
Student Answers	Printable Answer Pamphlet	In MagiCore Web
Self Correcting	Includes Answer Key	Self Correcting
Custom Videos	QR Codes	Embedded
Audio Readings	N/A	Contains Audio Readings
Navigation	N/A	Automatically Advancing
Extras	Printable "Case File"	Interactive Animation

2 Versions

- Print
- MagiCore Web™
(Our most popular experience)

Learn more!





2 Levels

Name: _____ Date: _____

Pizza Parlor Puzzle Clue #1

Directions: Solve each addition fraction problem. After solving, find the letter that corresponds to the answer in the Decoding Key below. Write down each letter to reveal the first clue!

Problem	Answer	Letter
$\frac{1}{4} + \frac{2}{4}$		
$\frac{2}{5} + \frac{6}{10}$		
$\frac{1}{5} + \frac{3}{5}$		
$\frac{2}{5} + \frac{2}{5}$		

Name: _____ Date: _____

Pizza Parlor Puzzle Clue #2

Directions: Solve each subtraction fraction problem. After solving, find the letter that corresponds to the answer in the Decoding Key below. Write down each letter to reveal the first clue!

Problem	Answer	Letter
$\frac{3}{5} + \frac{1}{5}$		
$\frac{1}{4} + \frac{6}{8}$		
$\frac{1}{6} + \frac{6}{11}$		
$\frac{2}{5} + \frac{2}{5}$		

Name: _____ Date: _____

Pizza Parlor Puzzle Clue #3

Directions: Solve each addition or subtraction problem. After solving, find the letter that corresponds to the answer in the Decoding Key below. Write down each letter to reveal the first clue!

Problem	Answer	Letter
$\frac{1}{3}$		
$\frac{10}{20}$		
$\frac{6}{20}$		
$\frac{1}{5}$		

Problem	Answer	Letter
$10 \frac{5}{6} - 5 \frac{1}{6}$		
$19 \frac{11}{12} - 8 \frac{4}{12}$		
$20 \frac{9}{12} - 9 \frac{2}{12}$		
$14 \frac{4}{10} - 13 \frac{1}{3}$		

First Clue:

Write down the letters you found in the order you solved the problems. What does it spell? Use the clue to cross off.

Your First Clue:
Write down the letters you found in the order you solved the problems. What does it spell? Use the clue to cross off.

Decode Clues

Manny Mozer
Mozzarella Delivery



Ronni Pepp
#1 Pizza Fo

TOP SECRET

Magi
CORE

Pizza Parlor Puzzle Clue #1

Directions: Follow the path on the question tree. Every time you answer one of the questions, follow the path of your answer to lead you to the next question. Follow the answers all the way to find out which suspect you can eliminate.



ative Slice
here I

pizzas,
ixed up,
dentified

ary. You will
each
lying, and

s, you w
is
s tr

Your understanding of fractions and your problem-solving skills are vital to this...
only will you help save the pizza festival, but you'll also ensure that "Perfect P...
continues to spread joy in Crustville.

ion. I

Carla Crust

Ronni Pepperoni

Eliminate Suspects

In a shop ac



Olivia Olive

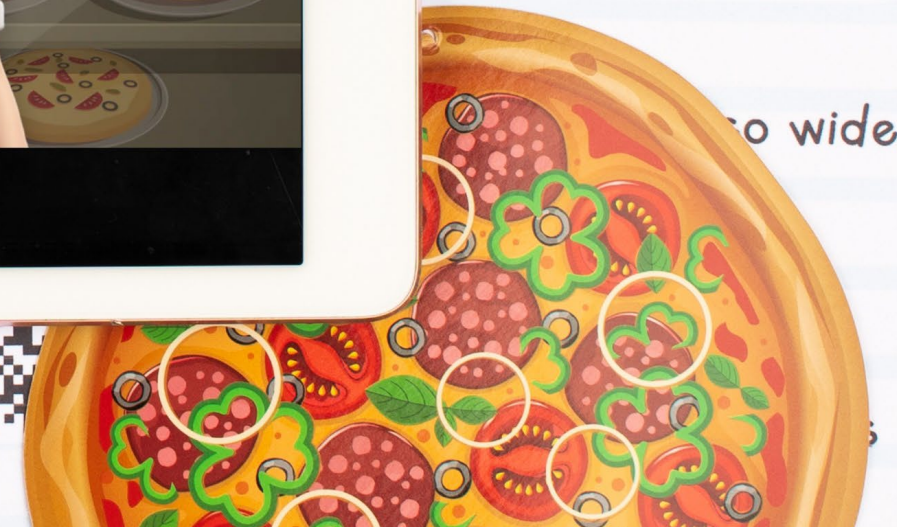


so wide,

Manny Mozzarella



lives green olives
From my farm, re
But in this mystery
I'm not the one to dec



Looking for More?

Try our Webscapes

