



The Great Pepe's Pizza Heist

Grade 4 math · Skip counting, Multiplication, Rounding, Place value, Division · Reading level grades 3-4

Detective: _____ Date: _____

Oh no! The secret recipe for the world-famous White Clam Pie has vanished from Frank Pepe's Pizzeria! A mysterious Pizza Bandit snuck in right before the lunch rush. We need the finest young detectives to search the brick ovens, examine the coal dust, and find the missing recipe book before the hungry crowds arrive!

1. Solve each math problem. The answer is a number, and the letter beside it is what that number stands for.
2. In the clue boxes, write that letter in every box showing the same number, then read the secret clue.
3. Use each clue to cross suspects off the list. The one suspect left at the end is the culprit!

My answer: the Pizza Bandit is _____

Possible suspects

Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	FAVORITE SLICE	SECRET TOPPING	PEEL GRIP	HAT CHOICE	PIZZA PEST
Nonna	Fresh Tomato Pie	Anchovy Drizzle	Left Handed Peel	White Chef Toque	Smelly Garlic Breath
Mario	Fresh Tomato Pie	Anchovy Drizzle	Left Handed Peel	Green Striped Hairnet	Sweet Pineapple Juice
Carmela	Original Tomato Pie	Sweet Italian Sausage	Left Handed Peel	Red Baker Bandanna	Smelly Garlic Breath
Dominic	Original Tomato Pie	Garlic Confit	Right Handed Peel	White Chef Toque	Spicy Pepper Flakes
Rita	Spinach Mushroom Gorilla	Hot Cherry Peppers	Left Handed Peel	Red Baker Bandanna	Smelly Garlic Breath
Sally	Original Tomato Pie	Grated Pecorino	Left Handed Peel	White Chef Toque	Sweet Pineapple Juice
Pepe	Amanti Della Carne	Grated Pecorino	Left Handed Peel	White Chef Toque	Spicy Pepper Flakes
Connie	Amanti Della Carne	Anchovy Drizzle	Left Handed Peel	Green Striped Hairnet	Spicy Pepper Flakes
Angela	White Clam Pie	Garlic Confit	Right Handed Peel	White Chef Toque	Spicy Pepper Flakes
Benny	Amanti Della Carne	Sweet Italian Sausage	Right Handed Peel	White Chef Toque	Smelly Garlic Breath
Tony	Spinach Mushroom Gorilla	Grated Pecorino	Right Handed Peel	White Chef Toque	Spicy Pepper Flakes
Rosa	Amanti Della Carne	Hot Cherry Peppers	Left Handed Peel	White Chef Toque	Smelly Garlic Breath
Maria	White Clam Pie	Garlic Confit	Left Handed Peel	White Chef Toque	Spicy Pepper Flakes
Frank	White Clam Pie	Grated Pecorino	Left Handed Peel	White Chef Toque	Smelly Garlic Breath
Gary	Spinach Mushroom Gorilla	Grated Pecorino	Right Handed Peel	Red Baker Bandanna	Spicy Pepper Flakes
Rocco	Spinach Mushroom Gorilla	Grated Pecorino	Right Handed Peel	White Chef Toque	Smelly Garlic Breath
Paulie	Amanti Della Carne	Hot Cherry Peppers	Right Handed Peel	Red Baker Bandanna	Spicy Pepper Flakes
Teresa	Fresh Tomato Pie	Sweet Italian Sausage	Right Handed Peel	White Chef Toque	Spicy Pepper Flakes
Gino	Amanti Della Carne	Sweet Italian Sausage	Left Handed Peel	Green Striped Hairnet	Sweet Pineapple Juice
Bimonte	Original Tomato Pie	Anchovy Drizzle	Right Handed Peel	White Chef Toque	Spicy Pepper Flakes
Vinny	Original Tomato Pie	Sweet Italian Sausage	Right Handed Peel	Green Striped Hairnet	Sweet Pineapple Juice

CLUE 1 Skip counting

We need to count the giant stacks of pizza boxes in the back room. We skip count them by fives to find the missing clue card.

Solve each problem, then write its letter in every clue box that shows the same number.

T			T											T			
33	65	28	33	65	25	28	12	24	8	28	50	16	8	33	90	50	28
27	16	30	65	8	14	100		24	45	25	36	36	120	28			

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, __, 36, 39 → **T**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, __, 30, 32 → **E**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, __, 30, 35 → **I**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, __, 70, 75 → **H**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 → **R**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, __, 39, 42 → **Z**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, __, 33, 36 → **C**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, __, 55, 60 → **S**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, __, 110, 120 → **Y**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, __, 14, 16 → **F**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, __, 18, 20 → **N**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, __, 30, 33 → **A**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, __, 100, 110 → **U**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, __, 130, 140 → **L**

Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 → **O**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, __, 16, 18 → **V**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, __, 26, 28 → **D**

Scratch space:

CLUE 2

Multiplication facts (1-12)

The baker arranged the fresh tomatoes in equal rows on the prep table. We multiply the rows to unlock the drawer with the suspect list.

Solve each problem, then write its letter in every clue box that shows the same number.

T																			
1	120	77	66	99	20	20	6	66	77	77	80	70	6	5	120	77	80	55	

		T		T						T					
70	99	1	120	1	120	77	7	99	24	120	1	120	6	35	55

$1 \times 1 = \square \rightarrow \text{[T]}$

$1 \times 7 = \square \rightarrow \text{[R]}$

$5 \times 4 = \square \rightarrow \text{[Z]}$

$8 \times 10 = \square \rightarrow \text{[L]}$

$5 \times 11 = \square \rightarrow \text{[D]}$

$6 \times 4 = \square \rightarrow \text{[G]}$

$6 \times 11 = \square \rightarrow \text{[P]}$

$1 \times 5 = \square \rightarrow \text{[S]}$

$11 \times 9 = \square \rightarrow \text{[I]}$

$7 \times 10 = \square \rightarrow \text{[W]}$

$2 \times 3 = \square \rightarrow \text{[A]}$

$7 \times 5 = \square \rightarrow \text{[N]}$

$11 \times 7 = \square \rightarrow \text{[E]}$

$12 \times 10 = \square \rightarrow \text{[H]}$

Scratch space:

CLUE 3 Rounding

The ancient coal oven thermometer is dusty and only shows temperatures rounded to the nearest ten degrees. Let us round the temperature to get the next clue.

Solve each problem, then write its letter in every clue box that shows the same number.

S																S	
5000	2300	200	4300	7000	2300	3000	2300	2300	3000	900	70	2000	170	370	3000	5000	
												S					
9000	170	90	3000	1100	230	3000	1100	230	200	3000	70	5000	430	3000	3000	30	3000

Round 5,300 to the nearest thousand → **S**

Round 27 to the nearest ten → **Z**

Round 1,804 to the nearest thousand → **L**

Round 898 to the nearest hundred → **R**

Round 3,255 to the nearest thousand → **E**

Round 2,339 to the nearest hundred → **P**

Round 94 to the nearest ten → **D**

Round 432 to the nearest ten → **N**

Round 172 to the nearest ten → **A**

Round 190 to the nearest hundred → **I**

Round 7,433 to the nearest thousand → **Y**

Round 1,132 to the nearest hundred → **T**

Round 67 to the nearest ten → **F**

Round 230 to the nearest ten → **H**

Round 4,257 to the nearest hundred → **C**

Round 8,512 to the nearest thousand → **M**

Round 366 to the nearest ten → **K**

Scratch space:

CLUE 4 Place value

The cash register printed a weird receipt with a missing digit in the tens place. If we find the correct place value, we can decode the note.

Solve each problem, then write its letter in every clue box that shows the same number.

A		A																
3000	300	3000	700	700	7000	70	5000	300	90	4000	70	90	20	300	400	9000	6000	90
	A													A				
7000	3000	80	700	90	20	300	100	1000	300	70	90	4000	400	3000	700			

What is the value of the 3 in 3,480? → **A**

What is the value of the 9 in 19,210? → **Q**

What is the value of the 1 in 105? → **B**

What is the value of the 4 in 9,400? → **O**

What is the value of the 9 in 790? → **E**

What is the value of the 6 in 6,138? → **U**

What is the value of the 3 in 4,385? → **T**

What is the value of the 8 in 5,180? → **S**

What is the value of the 7 in 2,974? → **H**

What is the value of the 1 in 51,082? → **Y**

What is the value of the 4 in 24,656? → **C**

What is the value of the 2 in 520? → **F**

What is the value of the 7 in 7,621? → **W**

What is the value of the 7 in 8,729? → **L**

What is the value of the 5 in 25,103? → **I**

Scratch space:

CLUE 5**Division facts (1-12) - the last clue**

Chef Frankie wants to share the giant clam pie equally among the hungry young detectives. We divide the slices to solve the final clue.

First solve each problem. Then find each answer in the numbered list below and cross that sentence out. One sentence will be left - that is exactly what the villain did!

Step 1 - solve these:

$28 \div 7 = \boxed{}$

$96 \div 8 = \boxed{}$

$20 \div 4 = \boxed{}$

$81 \div 9 = \boxed{}$

$28 \div 4 = \boxed{}$

$88 \div 11 = \boxed{}$

$88 \div 8 = \boxed{}$

$4 \div 2 = \boxed{}$

$4 \div 4 = \boxed{}$

$70 \div 7 = \boxed{}$

$36 \div 6 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain tosses raw dough into the air, then leaves flour footprints behind.
2. The villain sprinkles extra cheese on the counter, then splashes olive oil on the floor.
3. The villain tosses raw dough into the air, then drops a shiny metal pizza cutter.
4. The villain sprinkles extra cheese on the counter, then escapes through the alley door.
5. The villain sneaks into the coal room, then escapes through the alley door.
6. The villain sneaks into the coal room, then splashes olive oil on the floor.
7. The villain tosses raw dough into the air, then knocks over a stack of pizza boxes.
8. The villain swipes the secret recipe book, then knocks over a stack of pizza boxes.
9. The villain sneaks behind the brick oven, then leaves flour footprints behind.
10. The villain sneaks into the coal room, then knocks over a stack of pizza boxes.
11. The villain tosses raw dough into the air, then splashes olive oil on the floor.
12. The villain swipes the secret recipe book, then splashes olive oil on the floor.

Answer Key

The Great Pepe's Pizza Heist

Culprit: Teresa

Fresh Tomato Pie · Sweet Italian Sausage · Right Handed Peel · White Chef Toque · Spicy Pepper Flakes

Trail: Start 21 → Clue 1 17 → Clue 2 9 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Skip counting): "THE THIEF DOES NOT USE ANCHOVY DRIZZLE"

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, __, 36, 39 = 33 (T) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, __, 30, 32 = 28 (E) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, __, 30, 35 = 25 (I) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, __, 70, 75 = 65 (H) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 = 45 (R) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, __, 39, 42 = 36 (Z) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, __, 33, 36 = 30 (C) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, __, 55, 60 = 50 (S) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, __, 110, 120 = 100 (Y) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, __, 14, 16 = 12 (F) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, __, 18, 20 = 16 (N) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, __, 30, 33 = 27 (A) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, __, 100, 110 = 90 (U) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, __, 130, 140 = 120 (L) · Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 = 8 (O) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, __, 16, 18 = 14 (V) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, __, 26, 28 = 24 (D)

Clue 2 (Multiplication facts (1-12)): "THE PIZZA PEEL WAS HELD WITH THE RIGHT HAND"

$1 \times 1 = 1$ (T) · $1 \times 7 = 7$ (R) · $5 \times 4 = 20$ (Z) · $8 \times 10 = 80$ (L) · $5 \times 11 = 55$ (D) · $6 \times 4 = 24$ (G) · $6 \times 11 = 66$ (P) · $1 \times 5 = 5$ (S) · $11 \times 9 = 99$ (I) · $7 \times 10 = 70$ (W) · $2 \times 3 = 6$ (A) · $7 \times 5 = 35$ (N) · $11 \times 7 = 77$ (E) · $12 \times 10 = 120$ (H)

Clue 3 (Rounding): "SPICY PEPPER FLAKES MADE THE THIEF SNEEZE"

Round 5,300 to the nearest thousand = 5000 (S) · Round 27 to the nearest ten = 30 (Z) · Round 1,804 to the nearest thousand = 2000 (L) · Round 898 to the nearest hundred = 900 (R) · Round 3,255 to the nearest thousand = 3000 (E) · Round 2,339 to the nearest hundred = 2300 (P) · Round 94 to the nearest ten = 90 (D) · Round 432 to the nearest ten = 430 (N) · Round 172 to the nearest ten = 170 (A) · Round 190 to the nearest hundred = 200 (I) · Round 7,433 to the nearest thousand = 7000 (Y) · Round 1,132 to the nearest hundred = 1100 (T) · Round 67 to the nearest ten = 70 (F) · Round 230 to the nearest ten = 230 (H) · Round 4,257 to the nearest hundred = 4300 (C) · Round 8,512 to the nearest thousand = 9000 (M) · Round 366 to the nearest ten = 370 (K)

Clue 4 (Place value): "A TALL WHITE CHEF TOQUE WAS LEFT BY THE COAL"

What is the value of the 3 in 3,480? = 3000 (A) · What is the value of the 9 in 19,210? = 9000 (Q) · What is the value of the 1 in 105? = 100 (B) · What is the value of the 4 in 9,400? = 400 (O) · What is the value of the 9 in 790? = 90 (E) · What is the value of the 6 in 6,138? = 6000 (U) · What is the value of the 3 in 4,385? = 300 (T) · What is the value of the 8 in 5,180? = 80 (S) · What is the value of the 7 in 2,974? = 70 (H) · What is the value of the 1 in 51,082? = 1000 (Y) · What is the value of the 4 in 24,656? = 4000 (C) · What is the value of the 2 in 520? = 20 (F) · What is the value of the 7 in 7,621? = 7000 (W) · What is the value of the 7 in 8,729? = 700 (L) · What is the value of the 5 in 25,103? = 5000 (I)

Clue 5 (Division facts (1-12)): surviving statement is box 3 → Teresa

$28 \div 7 = 4$ · $96 \div 8 = 12$ · $20 \div 4 = 5$ · $81 \div 9 = 9$ · $28 \div 4 = 7$ · $88 \div 11 = 8$ · $88 \div 8 = 11$ · $4 \div 2 = 2$ · $4 \div 4 = 1$ · $70 \div 7 = 10$ · $36 \div 6 = 6$