



# 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.

|              |     |    |    |    |    |    |   |    |    |    |    |    |   |   |     |    |    |    |  |
|--------------|-----|----|----|----|----|----|---|----|----|----|----|----|---|---|-----|----|----|----|--|
| <div>T</div> |     |    |    |    |    |    |   |    |    |    |    |    |   |   |     |    |    |    |  |
| 1            | 120 | 77 | 66 | 99 | 20 | 20 | 6 | 66 | 77 | 77 | 80 | 70 | 6 | 5 | 120 | 77 | 80 | 55 |  |

  

|    |    |   |     |   |     |    |   |    |    |     |   |     |   |    |    |  |  |  |  |
|----|----|---|-----|---|-----|----|---|----|----|-----|---|-----|---|----|----|--|--|--|--|
|    |    |   |     |   |     |    |   |    |    |     |   |     |   |    |    |  |  |  |  |
| 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.

|          |          |          |     |     |      |     |      |      |     |      |    |      |     |          |     |      |      |    |
|----------|----------|----------|-----|-----|------|-----|------|------|-----|------|----|------|-----|----------|-----|------|------|----|
| <b>A</b> |          | <b>A</b> |     |     |      |     |      |      |     |      |    |      |     |          |     |      |      |    |
| 3000     | 300      | 3000     | 700 | 700 | 7000 | 70  | 5000 | 300  | 90  | 4000 | 70 | 90   | 20  | 300      | 400 | 9000 | 6000 | 90 |
|          | <b>A</b> |          |     |     |      |     |      |      |     |      |    |      |     | <b>A</b> |     |      |      |    |
| 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:**

$28 \div 7 = \boxed{\phantom{00}}$

$96 \div 8 = \boxed{\phantom{00}}$

$20 \div 4 = \boxed{\phantom{00}}$

$81 \div 9 = \boxed{\phantom{00}}$

$28 \div 4 = \boxed{\phantom{00}}$

$88 \div 11 = \boxed{\phantom{00}}$

$88 \div 8 = \boxed{\phantom{00}}$

$4 \div 2 = \boxed{\phantom{00}}$

$4 \div 4 = \boxed{\phantom{00}}$

$70 \div 7 = \boxed{\phantom{00}}$

$36 \div 6 = \boxed{\phantom{00}}$

**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

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