



The Great Pizza Snatcher

Grade 2 math · Addition, Subtraction, Place value, Skip counting, Missing addends · Reading level grades 1-2

Detective: _____ **Date:** _____

Someone swiped Chef Mario golden pizza cutter right before the big lunch rush. We need to catch the pizza thief.

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 Thief is _____

Possible suspects

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

NAME	DELIVERY RIDE	FAVORITE TOPPING	BOX HOLD	CAP COLOR	DISTRACTION
Marco Melt	Skateboard	Pineapple	Right Hand Carry	Blue Cap	Spicy Pepper
Zoe Order	Bicycle	Pineapple	Left Hand Carry	Green Cap	Sizzling Cheese
Mia Mozzarella	Bicycle	Mushrooms	Left Hand Carry	Blue Cap	Sizzling Cheese
Penny Pepper	Bicycle	Pineapple	Right Hand Carry	Red Cap	Spicy Pepper
Chef Carlo	Skateboard	Pineapple	Left Hand Carry	Blue Cap	Sizzling Cheese
Suzi Speed	Scooter	Olives	Left Hand Carry	Blue Cap	Spicy Pepper
Leo Box	Roller Skates	Pineapple	Left Hand Carry	Red Cap	Garlic Bread Smell
Ollie Olive	Roller Skates	Pepperoni	Right Hand Carry	Blue Cap	Garlic Bread Smell
Gia Grid	Skateboard	Pepperoni	Left Hand Carry	Red Cap	Garlic Bread Smell
Bella Basil	Scooter	Pepperoni	Right Hand Carry	Red Cap	Garlic Bread Smell
Gino Garlic	Moped	Pineapple	Left Hand Carry	Red Cap	Garlic Bread Smell
Rudy Rider	Scooter	Pepperoni	Right Hand Carry	Blue Cap	Sizzling Cheese
Nico Dough	Roller Skates	Pepperoni	Left Hand Carry	Green Cap	Garlic Bread Smell
Benny Baking	Scooter	Extra Cheese	Left Hand Carry	Red Cap	Garlic Bread Smell
Sammy Sauce	Scooter	Mushrooms	Left Hand Carry	Red Cap	Garlic Bread Smell
Sasha Slice	Roller Skates	Mushrooms	Left Hand Carry	Blue Cap	Garlic Bread Smell
Vinnie Veggie	Roller Skates	Pineapple	Left Hand Carry	Green Cap	Sizzling Cheese
Pippa Pie	Bicycle	Olives	Left Hand Carry	Red Cap	Sizzling Cheese
Tina Tomato	Skateboard	Extra Cheese	Right Hand Carry	Blue Cap	Garlic Bread Smell
Pete Pepperoni	Skateboard	Mushrooms	Right Hand Carry	Red Cap	Garlic Bread Smell
Lulu Luigi	Roller Skates	Pepperoni	Left Hand Carry	Red Cap	Garlic Bread Smell

CLUE 1 Addition

Count the total pizza boxes delivered today to get your first clue.

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

T																T
38	93	30	79	21	50	50	57	21	86	27	44	30	37	86	44	38
50	21	90	30	42	21	86	30	57	42	42	50	30				

$21 + 17 = \square \rightarrow \text{ T }$

$32 + 18 = \square \rightarrow \text{ L }$

$55 + 35 = \square \rightarrow \text{ K }$

$21 + 16 = \square \rightarrow \text{ S }$

$54 + 25 = \square \rightarrow \text{ V }$

$13 + 17 = \square \rightarrow \text{ E }$

$30 + 12 = \square \rightarrow \text{ P }$

$7 + 14 = \square \rightarrow \text{ I }$

$32 + 25 = \square \rightarrow \text{ A }$

$18 + 9 = \square \rightarrow \text{ D }$

$29 + 64 = \square \rightarrow \text{ H }$

$31 + 13 = \square \rightarrow \text{ O }$

$51 + 35 = \square \rightarrow \text{ N }$

Scratch space:

CLUE 2
Subtraction

Take away the cold pizzas from the delivery stack to find the next clue.

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

T			T									T					
79	78	34	79	78	22	34	20	78	34	89	40	79	78	34			
							T		T								T
41	22	76	76	67	16	22	79	78	79	78	34	22	88	89	34	20	79
78	67	52	40														

$103 - 24 = \square \rightarrow \text{T}$

$38 - 22 = \square \rightarrow \text{W}$

$63 - 22 = \square \rightarrow \text{P}$

$55 - 33 = \square \rightarrow \text{I}$

$54 - 2 = \square \rightarrow \text{N}$

$98 - 9 = \square \rightarrow \text{L}$

$54 - 34 = \square \rightarrow \text{F}$

$110 - 32 = \square \rightarrow \text{H}$

$88 - 12 = \square \rightarrow \text{Z}$

$74 - 34 = \square \rightarrow \text{D}$

$90 - 23 = \square \rightarrow \text{A}$

$91 - 3 = \square \rightarrow \text{R}$

$74 - 40 = \square \rightarrow \text{E}$

Scratch space:

CLUE 3 Place value

Look at the tens and ones on the order ticket to unlock a clue.

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

G																			
46	76	61	41	47	70	12	61	81	76	90	58	71	81	41	41	71	76	90	81
17	63	81	17	63	47	81	54	58	17	59	14								

What number has 4 tens and 6 ones? → **G**

What number has 9 tens and 0 ones? → **D**

What number has 5 tens and 9 ones? → **O**

What number has 1 ten and 4 ones? → **P**

What number has 7 tens and 1 one? → **M**

What number has 1 ten and 7 ones? → **T**

What number has 4 tens and 7 ones? → **I**

What number has 6 tens and 1 one? → **R**

What number has 6 tens and 3 ones? → **H**

What number has 7 tens and 0 ones? → **C**

What number has 7 tens and 6 ones? → **A**

What number has 5 tens and 8 ones? → **S**

What number has 8 tens and 1 one? → **E**

What number has 4 tens and 1 one? → **L**

What number has 1 ten and 2 ones? → **B**

What number has 5 tens and 4 ones? → **F**

Scratch space:

CLUE 4 Skip counting

Skip count by twos along the pizza delivery path to spot a hint.

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

A											A			A	
6	21	55	26	27	9	45	55	39	25	140	6	110	70	6	120
					A										
42	16	22	10	25	6	45	45	9	39	120	140	39	10	39	

Skip-count by 2s. Fill the blank: 2, 4, __, 8, 10 → **A**

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

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, __, 150, 160 → **C**

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

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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, __, 60, 65 → **R**

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

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, __, 120, 130 → **P**

Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 → **H**

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

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, __, 28, 30 → **I**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, __, 45, 48 → **F**

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

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

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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, __, 75, 80 → **W**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, __, 42, 45 → **E**

Scratch space:

CLUE 5**Missing addends - the last clue**

Find the missing slice number to complete the pizza puzzle.

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:

$2 + \underline{\quad} = 13$

$8 + \underline{\quad} = 10$

$4 + \underline{\quad} = 12$

$10 + \underline{\quad} = 11$

$9 + \underline{\quad} = 16$

$3 + \underline{\quad} = 12$

$2 + \underline{\quad} = 12$

$10 + \underline{\quad} = 15$

$9 + \underline{\quad} = 12$

$1 + \underline{\quad} = 5$

$1 + \underline{\quad} = 13$

Step 2 - cross out the sentence with each answer:

1. The villain pedaled off on a squeaky bicycle, then left behind a piece of pineapple.
2. The villain glided off on speedy roller skates, then dropped a slice of pepperoni.
3. The villain glided off on speedy roller skates, then left behind a piece of pineapple.
4. The villain zipped away on a swift skateboard, then spilled extra cheese on the floor.
5. The villain rode away on a fast scooter, then dropped a slice of pepperoni.
6. The villain zipped away on a swift skateboard, then dropped a slice of pepperoni.
7. The villain zoomed away on a loud moped, then left behind a piece of pineapple.
8. The villain rode away on a fast scooter, then spilled extra cheese on the floor.
9. The villain zipped away on a swift skateboard, then scattered fresh mushrooms around.
10. The villain pedaled off on a squeaky bicycle, then scattered fresh mushrooms around.
11. The villain rode away on a fast scooter, then scattered fresh mushrooms around.
12. The villain pedaled off on a squeaky bicycle, then dropped black olives near the door.

Answer Key

The Great Pizza Snatcher

Culprit: Gia Grid

Skateboard · Pepperoni · Left Hand Carry · Red Cap · Garlic Bread Smell

Trail: Start 21 → Clue 1 14 → Clue 2 9 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE VILLAIN DOES NOT LIKE PINEAPPLE"

$21 + 17 = 38$ (T) · $32 + 18 = 50$ (L) · $55 + 35 = 90$ (K) · $21 + 16 = 37$ (S) · $54 + 25 = 79$ (V) · $13 + 17 = 30$ (E) · $30 + 12 = 42$ (P) · $7 + 14 = 21$ (I) · $32 + 25 = 57$ (A) · $18 + 9 = 27$ (D) · $29 + 64 = 93$ (H) · $31 + 13 = 44$ (O) · $51 + 35 = 86$ (N)

Clue 2 (Subtraction): "THE THIEF HELD THE PIZZA WITH THEIR LEFT HAND"

$103 - 24 = 79$ (T) · $38 - 22 = 16$ (W) · $63 - 22 = 41$ (P) · $55 - 33 = 22$ (I) · $54 - 2 = 52$ (N) · $98 - 9 = 89$ (L) · $54 - 34 = 20$ (F) · $110 - 32 = 78$ (H) · $88 - 12 = 76$ (Z) · $74 - 34 = 40$ (D) · $90 - 23 = 67$ (A) · $91 - 3 = 88$ (R) · $74 - 40 = 34$ (E)

Clue 3 (Place value): "GARLIC BREAD SMELL MADE THE THIEF STOP"

What number has 4 tens and 6 ones? = 46 (G) · What number has 9 tens and 0 ones? = 90 (D) · What number has 5 tens and 9 ones? = 59 (O) · What number has 1 ten and 4 ones? = 14 (P) · What number has 7 tens and 1 one? = 71 (M) · What number has 1 ten and 7 ones? = 17 (T) · What number has 4 tens and 7 ones? = 47 (I) · What number has 6 tens and 1 one? = 61 (R) · What number has 6 tens and 3 ones? = 63 (H) · What number has 7 tens and 0 ones? = 70 (C) · What number has 7 tens and 6 ones? = 76 (A) · What number has 5 tens and 8 ones? = 58 (S) · What number has 8 tens and 1 one? = 81 (E) · What number has 4 tens and 1 one? = 41 (L) · What number has 1 ten and 2 ones? = 12 (B) · What number has 5 tens and 4 ones? = 54 (F)

Clue 4 (Skip counting): "A BRIGHT RED CAP WAS FOUND AT THE SCENE"

Skip-count by 2s. Fill the blank: 2, 4, __, 8, 10 = 6 (A) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, __, 12, 14 = 10 (N) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, __, 150, 160 = 140 (C) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, __, 18, 20 = 16 (O) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, __, 130, 140 = 120 (S) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, __, 60, 65 = 55 (R) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, __, 24, 26 = 22 (U) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, __, 120, 130 = 110 (P) · Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 = 9 (H) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, __, 24, 27 = 21 (B) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, __, 28, 30 = 26 (I) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, __, 45, 48 = 42 (F) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, __, 30, 35 = 25 (D) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 = 45 (T) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, __, 30, 33 = 27 (G) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, __, 75, 80 = 70 (W) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, __, 42, 45 = 39 (E)

Clue 5 (Missing addends): surviving statement is box 6 → Gia Grid

$2 + \underline{\quad} = 13 = 11$ · $8 + \underline{\quad} = 10 = 2$ · $4 + \underline{\quad} = 12 = 8$ · $10 + \underline{\quad} = 11 = 1$ · $9 + \underline{\quad} = 16 = 7$ · $3 + \underline{\quad} = 12 = 9$ · $2 + \underline{\quad} = 12 = 10$ · $10 + \underline{\quad} = 15 = 5$ · $9 + \underline{\quad} = 12 = 3$ · $1 + \underline{\quad} = 5 = 4$ · $1 + \underline{\quad} = 13 = 12$