



The Case of the Golden Anchovy

Grade 3 math · Subtraction, Addition, Multiplication, Rounding, Division · Reading level grades 3-4

Detective: _____ Date: _____

Oh no! The legendary Golden Anchovy trophy has been stolen right out of the display case at Cheesy Valley Headquarters! The thief left a messy trail of flour and empty delivery boxes. It must be one of our own delivery drivers! Use your math skills to help us crack the clues and catch the culprit before they deliver the trophy to a rival pizzeria!

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 The Pizza Pirate 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	PIZZA BONUS	SIGNATURE HAND	HAIR STYLE	DELIVERY FEAR
Saucy Sally	Rocket Skateboard	Spicy Peppers	Left handed delivery	Curly Hair	Deep Potholes
Anita Anchovy	Turbo Scooter	Fizzy Soda	Left handed delivery	Curly Hair	Deep Potholes
Scooter Scott	Rocket Skateboard	Garlic Knots	Left handed delivery	Straight Hair	Stuck Elevators
Calzone Carl	Sleek Go-Kart	Cheesy Bread	Left handed delivery	Curly Hair	Deep Potholes
Olivia Olive	Speedy Bicycle	Fizzy Soda	Right handed delivery	Spiky Hair	Stuck Elevators
Garlic Gary	Speedy Bicycle	Fizzy Soda	Right handed delivery	Curly Hair	Barking Dogs
Pepperoni Pete	Rocket Skateboard	Garlic Knots	Right handed delivery	Curly Hair	Deep Potholes
Vinnie Veggie	Classic Delivery Van	Cheesy Bread	Right handed delivery	Spiky Hair	Barking Dogs
Mamma Margherita	Turbo Scooter	Fizzy Soda	Right handed delivery	Straight Hair	Barking Dogs
Patsy Pesto	Turbo Scooter	Cinnamon Sticks	Left handed delivery	Curly Hair	Stuck Elevators
Bella Basil	Classic Delivery Van	Cheesy Bread	Left handed delivery	Curly Hair	Deep Potholes
Penny Pineapple	Classic Delivery Van	Cinnamon Sticks	Right handed delivery	Spiky Hair	Barking Dogs
Freddy Freebie	Rocket Skateboard	Cinnamon Sticks	Left handed delivery	Curly Hair	Deep Potholes
Tony Tomato	Speedy Bicycle	Cinnamon Sticks	Left handed delivery	Spiky Hair	Deep Potholes
Ancho Andy	Speedy Bicycle	Spicy Peppers	Right handed delivery	Spiky Hair	Stuck Elevators
Mozzarella Mia	Classic Delivery Van	Garlic Knots	Left handed delivery	Curly Hair	Stuck Elevators
Gino Giovanni	Speedy Bicycle	Cinnamon Sticks	Right handed delivery	Curly Hair	Deep Potholes
Paolo Parmesan	Classic Delivery Van	Garlic Knots	Left handed delivery	Spiky Hair	Barking Dogs
Slice Sam	Speedy Bicycle	Fizzy Soda	Left handed delivery	Spiky Hair	Stuck Elevators
Crusty Chris	Speedy Bicycle	Fizzy Soda	Right handed delivery	Curly Hair	Deep Potholes
Dina Delivery	Sleek Go-Kart	Cinnamon Sticks	Left handed delivery	Curly Hair	Barking Dogs

CLUE 1 Subtraction

Chef Luigi counts the pizza boxes left in the warming oven. Some are missing! We can subtract the remaining boxes from the morning total to find our first clue.

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

T			T																
742	360	281	742	360	818	281	166	196	818	196	738	534	742	263	408	375	375	730	
513	798	818	263	730	798	281	798	798	281	375	513								

$1097 - 355 = \boxed{} \rightarrow \boxed{\text{T}}$

$933 - 115 = \boxed{} \rightarrow \boxed{\text{I}}$

$754 - 394 = \boxed{} \rightarrow \boxed{\text{H}}$

$577 - 64 = \boxed{} \rightarrow \boxed{\text{S}}$

$574 - 199 = \boxed{} \rightarrow \boxed{\text{R}}$

$790 - 52 = \boxed{} \rightarrow \boxed{\text{N}}$

$1196 - 398 = \boxed{} \rightarrow \boxed{\text{P}}$

$580 - 46 = \boxed{} \rightarrow \boxed{\text{O}}$

$601 - 320 = \boxed{} \rightarrow \boxed{\text{E}}$

$647 - 384 = \boxed{} \rightarrow \boxed{\text{C}}$

$566 - 370 = \boxed{} \rightarrow \boxed{\text{D}}$

$225 - 59 = \boxed{} \rightarrow \boxed{\text{F}}$

$1039 - 309 = \boxed{} \rightarrow \boxed{\text{Y}}$

$517 - 109 = \boxed{} \rightarrow \boxed{\text{A}}$

Scratch space:

CLUE 2 Addition

Let us tally up the delivery tips left on the kitchen counter! Adding up all these dollar bills gives us a clue about the thief's delivery style.

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

T									T								
603	596	562	656	782	800	817	226	603	895	552	562	447	226	656			
			T	T					T		T						T
447	552	782	603	603	562	817	447	782	603	596	603	596	562	435	562	423	603
596	226	817	253														

$319 + 284 = \square \rightarrow$ T	$78 + 148 = \square \rightarrow$ A	$367 + 195 = \square \rightarrow$ E
$173 + 262 = \square \rightarrow$ L	$260 + 187 = \square \rightarrow$ W	$128 + 295 = \square \rightarrow$ F
$273 + 509 = \square \rightarrow$ I	$308 + 348 = \square \rightarrow$ S	$155 + 98 = \square \rightarrow$ D
$302 + 250 = \square \rightarrow$ R	$458 + 437 = \square \rightarrow$ U	$261 + 335 = \square \rightarrow$ H
$534 + 266 = \square \rightarrow$ G	$478 + 339 = \square \rightarrow$ N	

Scratch space:

CLUE 3

Multiplication facts (1-12)

The delivery scooters are parked in neat equal rows in the garage. Multiply the rows of scooters by the number in each row to uncover a clue about their cap!

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

22 54 14 77 5 45 45 72 5 121 49 48 14 8 77 14 6 22 21

72 77 21 5 6 6 14 14 132 132 21 22 54 21 45 14 49

$$2 \times 11 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$7 \times 11 = \boxed{} \rightarrow \begin{bmatrix} \mathbf{v} \end{bmatrix}$$

$$8 \times 1 = \boxed{} \rightarrow \boxed{\text{R}}$$

$1 \times 5 = \boxed{} \rightarrow \boxed{1}$

$7 \times 7 =$ $\rightarrow$ **S**

$7 \times 2 = \boxed{} \rightarrow \boxed{\text{E}}$

$11 \times 12 = \boxed{} \rightarrow \boxed{\text{P}}$

$$11 \times 11 = \boxed{} \rightarrow \boxed{\mathbf{N}}$$

$$7 \times 3 = \boxed{} \rightarrow \boxed{0}$$

$9 \times 5 = \boxed{} \rightarrow \boxed{\text{L}}$

$2 \times 3 = \square \rightarrow \boxed{\mathbf{D}}$

$9 \times 6 = \square \rightarrow \boxed{\text{H}}$

$12 \times 4 = \boxed{} \rightarrow \boxed{\text{W}}$

$9 \times 8 =$ $\rightarrow$ **A**

Scratch space:

CLUE 4 Rounding

The delivery tracking map is a bit blurry. We have to round the delivery distance to the nearest ten miles to find the route of the suspect!

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

C																			
700	8000	200	6000	90	30	400	60	200	4000	80	200	400	500	2000	4000	600	9000	200	9000
40	500	80	30	9000	3000	60	300	300	400	5000	40	800							

Round 718 to the nearest hundred → **C**

Round 8,613 to the nearest thousand → **E**

Round 620 to the nearest hundred → **W**

Round 829 to the nearest hundred → **X**

Round 241 to the nearest hundred → **R**

Round 40 to the nearest ten → **O**

Round 458 to the nearest hundred → **N**

Round 432 to the nearest hundred → **A**

Round 28 to the nearest ten → **H**

Round 8,441 to the nearest thousand → **U**

Round 91 to the nearest ten → **Y**

Round 2,257 to the nearest thousand → **D**

Round 5,429 to the nearest thousand → **B**

Round 57 to the nearest ten → **I**

Round 331 to the nearest hundred → **Z**

Round 3,163 to the nearest thousand → **P**

Round 5,821 to the nearest thousand → **L**

Round 3,820 to the nearest thousand → **S**

Round 78 to the nearest ten → **T**

Scratch space:

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

It is time to share the giant leftover pizza! We must divide the slices equally among our team to unlock the final secret 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:

$70 \div 10 = \boxed{}$

$120 \div 12 = \boxed{}$

$36 \div 6 = \boxed{}$

$24 \div 12 = \boxed{}$

$120 \div 10 = \boxed{}$

$36 \div 4 = \boxed{}$

$30 \div 6 = \boxed{}$

$24 \div 6 = \boxed{}$

$8 \div 8 = \boxed{}$

$6 \div 2 = \boxed{}$

$99 \div 9 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain zooms away on a turbo scooter, then hands out extra cheesy bread.
2. The villain drives a speedy delivery van, then tosses fresh garlic knots.
3. The villain zooms away on a turbo scooter, then accidentally drops spicy peppers.
4. The villain pedals fast on a rocket skateboard, then hands out extra cheesy bread.
5. The villain pedals fast on a rocket skateboard, then tosses fresh garlic knots.
6. The villain drives a speedy delivery van, then hands out extra cheesy bread.
7. The villain zooms away on a turbo scooter, then knocks over a fizzy soda.
8. The villain races in a sleek go-kart, then hands out extra cheesy bread.
9. The villain races in a sleek go-kart, then tosses fresh garlic knots.
10. The villain pedals fast on a rocket skateboard, then leaves behind sweet cinnamon sticks.
11. The villain drives a speedy delivery van, then leaves behind sweet cinnamon sticks.
12. The villain zooms away on a turbo scooter, then tosses fresh garlic knots.

Answer Key

The Case of the Golden Anchovy

Culprit: Calzone Carl

Sleek Go-Kart · Cheesy Bread · Left handed delivery · Curly Hair · Deep Potholes

Trail: Start 21 → Clue 1 19 → Clue 2 11 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Subtraction): "THE THIEF DID NOT CARRY SPICY PEPPERS"

$1097 - 355 = 742$ (T) · $933 - 115 = 818$ (I) · $754 - 394 = 360$ (H) · $577 - 64 = 513$ (S) · $574 - 199 = 375$ (R) · $790 - 52 = 738$ (N) · $1196 - 398 = 798$ (P) · $580 - 46 = 534$ (O) · $601 - 320 = 281$ (E) · $647 - 384 = 263$ (C) · $566 - 370 = 196$ (D) · $225 - 59 = 166$ (F) · $1039 - 309 = 730$ (Y) · $517 - 109 = 408$ (A)

Clue 2 (Addition): "THE SIGNATURE WAS WRITTEN WITH THE LEFT HAND"

$319 + 284 = 603$ (T) · $78 + 148 = 226$ (A) · $367 + 195 = 562$ (E) · $173 + 262 = 435$ (L) · $260 + 187 = 447$ (W) · $128 + 295 = 423$ (F) · $273 + 509 = 782$ (I) · $308 + 348 = 656$ (S) · $155 + 98 = 253$ (D) · $302 + 250 = 552$ (R) · $458 + 437 = 895$ (U) · $261 + 335 = 596$ (H) · $534 + 266 = 800$ (G) · $478 + 339 = 817$ (N)

Clue 3 (Multiplication facts (1-12)): "THE VILLAIN SWERVED TO AVOID DEEP POTHOLE"

$2 \times 11 = 22$ (T) · $7 \times 11 = 77$ (V) · $8 \times 1 = 8$ (R) · $1 \times 5 = 5$ (I) · $7 \times 7 = 49$ (S) · $7 \times 2 = 14$ (E) · $11 \times 12 = 132$ (P) · $11 \times 11 = 121$ (N) · $7 \times 3 = 21$ (O) · $9 \times 5 = 45$ (L) · $2 \times 3 = 6$ (D) · $9 \times 6 = 54$ (H) · $12 \times 4 = 48$ (W) · $9 \times 8 = 72$ (A)

Clue 4 (Rounding): "CURLY HAIR STRANDS WERE ON THE PIZZA BOX"

Round 718 to the nearest hundred = 700 (C) · Round 8,613 to the nearest thousand = 9000 (E) · Round 620 to the nearest hundred = 600 (W) · Round 829 to the nearest hundred = 800 (X) · Round 241 to the nearest hundred = 200 (R) · Round 40 to the nearest ten = 40 (O) · Round 458 to the nearest hundred = 500 (N) · Round 432 to the nearest hundred = 400 (A) · Round 28 to the nearest ten = 30 (H) · Round 8,441 to the nearest thousand = 8000 (U) · Round 91 to the nearest ten = 90 (Y) · Round 2,257 to the nearest thousand = 2000 (D) · Round 5,429 to the nearest thousand = 5000 (B) · Round 57 to the nearest ten = 60 (I) · Round 331 to the nearest hundred = 300 (Z) · Round 3,163 to the nearest thousand = 3000 (P) · Round 5,821 to the nearest thousand = 6000 (L) · Round 3,820 to the nearest thousand = 4000 (S) · Round 78 to the nearest ten = 80 (T)

Clue 5 (Division facts (1-12)): surviving statement is box 8 → Calzone Carl

$70 \div 10 = 7$ · $120 \div 12 = 10$ · $36 \div 6 = 6$ · $24 \div 12 = 2$ · $120 \div 10 = 12$ · $36 \div 4 = 9$ · $30 \div 6 = 5$ · $24 \div 6 = 4$ · $8 \div 8 = 1$ · $6 \div 2 = 3$ · $99 \div 9 = 11$