



The Great Anchovy Heist

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

Detective: _____ Date: _____

Ahoy! The legendary Golden Anchovy Pizza has been stolen from the Crusty Cutlass! Captain Marinara needs your help to catch the sneaky Pizza Pirate before they eat the prize.

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 Pirate is _____

Possible suspects

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

NAME	SIGNATURE TOPPING	SECRET SAUCE	SLICING HAND	BANDANA COLOR	SOGGY WEAPON
Baron Bacon	Salty Anchovies	White Alfredo	Right Handed Slice	Jolly Roger Black Bandana	Tomato Juice Splash
Scurvy Sausage	Sweet Pineapple	White Alfredo	Left Handed Slice	Jolly Roger Black Bandana	Flying Soda Blast
Crusty Pete	Smoked Sausage	White Alfredo	Left Handed Slice	Deep Sea Blue Bandana	Melting Cheese Net
Captain Marinara	Salty Anchovies	White Alfredo	Right Handed Slice	Deep Sea Blue Bandana	Tomato Juice Splash
Shiver Me Shrooms	Cheesy Mozzarella	White Alfredo	Right Handed Slice	Crimson Red Bandana	Tomato Juice Splash
Sashimi Sam	Salty Anchovies	White Alfredo	Right Handed Slice	Crimson Red Bandana	Tomato Juice Splash
Yeoman Yeast	Sweet Pineapple	Zesty Marinara	Left Handed Slice	Crimson Red Bandana	Melting Cheese Net
Cutlass Cory	Cheesy Mozzarella	White Alfredo	Left Handed Slice	Crimson Red Bandana	Melting Cheese Net
Barnacle Basil	Spicy Pepperoni	Zesty Marinara	Right Handed Slice	Crimson Red Bandana	Melting Cheese Net
Jolly Jalapeno	Cheesy Mozzarella	Sweet BBQ Sauce	Left Handed Slice	Deep Sea Blue Bandana	Flying Soda Blast
Anchovy Anne	Smoked Sausage	Sweet BBQ Sauce	Left Handed Slice	Crimson Red Bandana	Tomato Juice Splash
Captain Calzone	Spicy Pepperoni	Sweet BBQ Sauce	Right Handed Slice	Crimson Red Bandana	Melting Cheese Net
Peggy Pineapple	Cheesy Mozzarella	Garlic Butter	Right Handed Slice	Deep Sea Blue Bandana	Flying Soda Blast
Sir Parmesan	Sweet Pineapple	Hot Chili Oil	Right Handed Slice	Crimson Red Bandana	Melting Cheese Net
Pegleg Pepperoni	Sweet Pineapple	White Alfredo	Right Handed Slice	Crimson Red Bandana	Melting Cheese Net
Sailor Sauce	Sweet Pineapple	Garlic Butter	Left Handed Slice	Jolly Roger Black Bandana	Melting Cheese Net
Matey Mozzarella	Sweet Pineapple	Sweet BBQ Sauce	Left Handed Slice	Jolly Roger Black Bandana	Flying Soda Blast
Hook Mushroom	Smoked Sausage	Zesty Marinara	Right Handed Slice	Crimson Red Bandana	Melting Cheese Net
Salty Sophia	Smoked Sausage	Garlic Butter	Left Handed Slice	Jolly Roger Black Bandana	Melting Cheese Net
Ol Blue Cheese	Spicy Pepperoni	Zesty Marinara	Left Handed Slice	Crimson Red Bandana	Flying Soda Blast
Long John Silverside	Salty Anchovies	White Alfredo	Right Handed Slice	Deep Sea Blue Bandana	Melting Cheese Net

CLUE 1

To find the first clue we must count the pepperonis on the galley floor. Let us add the toppings found under the table to the toppings in the sink.

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

940 298 395 787 591 746 418 940 395 987 926 395 777 289 926 940 930 777 395

777 581 395 395 940 850 850 966 777 418 930 674 395

$$470 + 470 = \boxed{} \rightarrow \boxed{\text{T}}$$

$191 + 98 = \boxed{} \rightarrow \boxed{\text{N}}$

$$631 + 356 = \boxed{} \rightarrow \boxed{\text{D}}$$

$$232 + 514 = \boxed{} \rightarrow \boxed{\text{R}}$$

$171 + 247 = \boxed{} \rightarrow \mathbf{A}$

$$295 + 671 = \boxed{} \rightarrow \boxed{\text{Q}}$$

$297 + 294 = \boxed{} \rightarrow \boxed{}$

$$307 + 619 = \boxed{} \rightarrow \boxed{}$$

$$165 + 133 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$414 + 363 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$260 + 414 = \boxed{} \rightarrow \boxed{\text{C}}$$

$$469 + 381 = \boxed{} \rightarrow \boxed{\text{B}}$$

$$320 + 261 = \boxed{} \rightarrow \boxed{\text{W}}$$

$$592 + 338 = \boxed{} \rightarrow \boxed{\text{U}}$$

$333 + 454 = \boxed{} \rightarrow \boxed{\text{P}}$

$158 + 237 = \boxed{} \rightarrow \boxed{\text{E}}$

Scratch space:

CLUE 2 Subtraction

The cook had a full crate of fresh pineapples but the thief stole some. We can find a clue if we subtract the remaining pineapples from the starting amount.

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

T															T
303	552	120	823	327	120	118	120	552	162	823	354	696	897	552	303
552	162	118	256	120	256	823	646	696	327	120	307	162	354	160	823

$638 - 335 = \square \rightarrow \text{**T**}$

$1151 - 328 = \square \rightarrow \text{**S**}$

$998 - 302 = \square \rightarrow \text{**I**}$

$908 - 11 = \square \rightarrow \text{**G**}$

$520 - 358 = \square \rightarrow \text{**A**}$

$589 - 235 = \square \rightarrow \text{**R**}$

$142 - 22 = \square \rightarrow \text{**E**}$

$485 - 158 = \square \rightarrow \text{**C**}$

$347 - 40 = \square \rightarrow \text{**M**}$

$439 - 279 = \square \rightarrow \text{**K**}$

$835 - 283 = \square \rightarrow \text{**H**}$

$923 - 277 = \square \rightarrow \text{**L**}$

$489 - 233 = \square \rightarrow \text{**D**}$

$149 - 31 = \square \rightarrow \text{**N**}$

Scratch space:

CLUE 3

Rounding

The ship's radar shows the thief's escape speed but the old dial only displays numbers rounded to the nearest ten. Round the speed to unlock the message.

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

T			T																
3000	9000	2000	3000	9000	500	2000	50	5000	7000	400	70	50	5000	40	800				
			T															T	
800	2000	90	3000	500	400	8000	700	9000	2000	2000	70	2000	400	2000	3000				

Round 3,274 to the nearest thousand → **T**

Round 47 to the nearest ten → **F**

Round 7,004 to the nearest thousand → **U**

Round 4,643 to the nearest thousand → **R**

Round 457 to the nearest hundred → **I**

Round 72 to the nearest ten → **S**

Round 811 to the nearest hundred → **M**

Round 9,167 to the nearest thousand → **H**

Round 1,819 to the nearest thousand → **E**

Round 39 to the nearest ten → **O**

Round 389 to the nearest hundred → **N**

Round 695 to the nearest hundred → **C**

Round 94 to the nearest ten → **L**

Round 7,908 to the nearest thousand → **G**

Scratch space:

CLUE 4

Multiplication facts (1-12)

We found stacks of empty pizza boxes in the hold. If we multiply the number of stacks by the boxes in each stack we will uncover a hidden note.

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

A												A			A		A
50	30	70	88	36	11	2	24	70	96	108	4	50	24	108	50	24	50
				A			A										
6	10	70	96	50	108	99	50	11	45	2	32	24	108				

$10 \times 5 = \square \rightarrow \boxed{\text{A}}$

$11 \times 8 = \square \rightarrow \boxed{\text{I}}$

$5 \times 6 = \square \rightarrow \boxed{\text{C}}$

$4 \times 1 = \square \rightarrow \boxed{\text{B}}$

$1 \times 10 = \square \rightarrow \boxed{\text{H}}$

$7 \times 10 = \square \rightarrow \boxed{\text{R}}$

$9 \times 11 = \square \rightarrow \boxed{\text{W}}$

$12 \times 8 = \square \rightarrow \boxed{\text{E}}$

$2 \times 3 = \square \rightarrow \boxed{\text{T}}$

$8 \times 4 = \square \rightarrow \boxed{\text{U}}$

$1 \times 2 = \square \rightarrow \boxed{\text{O}}$

$12 \times 9 = \square \rightarrow \boxed{\text{D}}$

$5 \times 9 = \square \rightarrow \boxed{\text{F}}$

$3 \times 12 = \square \rightarrow \boxed{\text{M}}$

$8 \times 3 = \square \rightarrow \boxed{\text{N}}$

$11 \times 1 = \square \rightarrow \boxed{\text{S}}$

Scratch space:

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

The pirate crew wants to share a bunch of breadsticks equally. If we divide the total breadsticks among the sailors the leftover amount tells us where to look.

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:

$54 \div 6 = \boxed{}$

$49 \div 7 = \boxed{}$

$33 \div 3 = \boxed{}$

$72 \div 9 = \boxed{}$

$3 \div 1 = \boxed{}$

$2 \div 2 = \boxed{}$

$40 \div 4 = \boxed{}$

$30 \div 6 = \boxed{}$

$24 \div 6 = \boxed{}$

$108 \div 9 = \boxed{}$

$20 \div 10 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain scatters salty anchovies to distract the crew, then slides away on hot chili oil.
2. The villain flings sweet pineapple slices like mini shields, then escapes using a burst of garlic butter.
3. The villain scatters salty anchovies to distract the crew, then escapes using a burst of garlic butter.
4. The villain tosses spicy pepperoni on the deck, then blinds the guards with white alfredo.
5. The villain scatters salty anchovies to distract the crew, then sprays zesty marinara everywhere.
6. The villain flings sweet pineapple slices like mini shields, then blinds the guards with white alfredo.
7. The villain rolls smoked sausage down the gangplank, then sprays zesty marinara everywhere.
8. The villain scatters salty anchovies to distract the crew, then swings on a rope coated in sweet bbq sauce.
9. The villain flings sweet pineapple slices like mini shields, then slides away on hot chili oil.
10. The villain rolls smoked sausage down the gangplank, then blinds the guards with white alfredo.
11. The villain tosses spicy pepperoni on the deck, then sprays zesty marinara everywhere.
12. The villain tosses spicy pepperoni on the deck, then escapes using a burst of garlic butter.

Answer Key

The Great Anchovy Heist

Culprit: Pegleg Pepperoni

Sweet Pineapple · White Alfredo · Right Handed Slice · Crimson Red Bandana · Melting Cheese Net

Trail: Start 21 → Clue 1 17 → Clue 2 10 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE PIRATE DOES NOT USE SWEET BBQ SAUCE"

$470 + 470 = 940$ (T) · $191 + 98 = 289$ (N) · $631 + 356 = 987$ (D) · $232 + 514 = 746$ (R) · $171 + 247 = 418$ (A) · $295 + 671 = 966$ (Q) · $297 + 294 = 591$ (I) · $307 + 619 = 926$ (O) · $165 + 133 = 298$ (H) · $414 + 363 = 777$ (S) · $260 + 414 = 674$ (C) · $469 + 381 = 850$ (B) · $320 + 261 = 581$ (W) · $592 + 338 = 930$ (U) · $333 + 454 = 787$ (P) · $158 + 237 = 395$ (E)

Clue 2 (Subtraction): "THE SCENE HAS RIGHT HANDED SLICE MARKS"

$638 - 335 = 303$ (T) · $1151 - 328 = 823$ (S) · $998 - 302 = 696$ (I) · $908 - 11 = 897$ (G) · $520 - 358 = 162$ (A) · $589 - 235 = 354$ (R) · $142 - 22 = 120$ (E) · $485 - 158 = 327$ (C) · $347 - 40 = 307$ (M) · $439 - 279 = 160$ (K) · $835 - 283 = 552$ (H) · $923 - 277 = 646$ (L) · $489 - 233 = 256$ (D) · $149 - 31 = 118$ (N)

Clue 3 (Rounding): "THE THIEF RUNS FROM MELTING CHEESE NET"

Round 3,274 to the nearest thousand = 3000 (T) · Round 47 to the nearest ten = 50 (F) · Round 7,004 to the nearest thousand = 7000 (U) · Round 4,643 to the nearest thousand = 5000 (R) · Round 457 to the nearest hundred = 500 (I) · Round 72 to the nearest ten = 70 (S) · Round 811 to the nearest hundred = 800 (M) · Round 9,167 to the nearest thousand = 9000 (H) · Round 1,819 to the nearest thousand = 2000 (E) · Round 39 to the nearest ten = 40 (O) · Round 389 to the nearest hundred = 400 (N) · Round 695 to the nearest hundred = 700 (C) · Round 94 to the nearest ten = 90 (L) · Round 7,908 to the nearest thousand = 8000 (G)

Clue 4 (Multiplication facts (1-12)): "A CRIMSON RED BANDANA THREAD WAS FOUND"

$10 \times 5 = 50$ (A) · $11 \times 8 = 88$ (I) · $5 \times 6 = 30$ (C) · $4 \times 1 = 4$ (B) · $1 \times 10 = 10$ (H) · $7 \times 10 = 70$ (R) · $9 \times 11 = 99$ (W) · $12 \times 8 = 96$ (E) · $2 \times 3 = 6$ (T) · $8 \times 4 = 32$ (U) · $1 \times 2 = 2$ (O) · $12 \times 9 = 108$ (D) · $5 \times 9 = 45$ (F) · $3 \times 12 = 36$ (M) · $8 \times 3 = 24$ (N) · $11 \times 1 = 11$ (S)

Clue 5 (Division facts (1-12)): surviving statement is box 6 → Pegleg Pepperoni

$54 \div 6 = 9$ · $49 \div 7 = 7$ · $33 \div 3 = 11$ · $72 \div 9 = 8$ · $3 \div 1 = 3$ · $2 \div 2 = 1$ · $40 \div 4 = 10$ · $30 \div 6 = 5$ · $24 \div 6 = 4$ · $108 \div 9 = 12$ · $20 \div 10 = 2$