



The Great Golden Tuna Caper

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

Detective: _____ Date: _____

The Golden Tuna Trophy has been swiped from the trophy case at Whisker Academy! Headmaster Whiskers is in a tizzy. We must follow the clues to find the Claw Bandit before the graduation feast tonight!

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 Claw Bandit is _____

Possible suspects

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

NAME	SNEAKY POWER	ESCAPE GEAR	WRITING PAW	FUR PATTERN	SECRET DISTRACTION
Buster	super leap	bell collar	left-pawed writer	orange tabby stripes	shining laser pointer
Shadow	super leap	bell collar	left-pawed writer	midnight black fur	shining laser pointer
Whiskers	sonic meow	yarn barrier	left-pawed writer	calico patches	shining laser pointer
Tom Cat	shadow stealth	clover charm	left-pawed writer	orange tabby stripes	shining laser pointer
Felix	sonic meow	clover charm	right-pawed writer	orange tabby stripes	tossing crinkle toy
Cleo	night vision	clover charm	left-pawed writer	midnight black fur	shining laser pointer
Chloe	night vision	catnap shield	right-pawed writer	midnight black fur	shining laser pointer
Mittens	shadow stealth	yarn barrier	left-pawed writer	midnight black fur	tossing crinkle toy
Nala	sonar purring	nip booster	right-pawed writer	midnight black fur	shaking treat jar
Milo	night vision	catnap shield	left-pawed writer	calico patches	shining laser pointer
Luna	sonar purring	catnap shield	left-pawed writer	orange tabby stripes	shining laser pointer
Simba	sonar purring	nip booster	right-pawed writer	orange tabby stripes	shaking treat jar
Socks	sonic meow	catnap shield	left-pawed writer	orange tabby stripes	shining laser pointer
Oliver	sonic meow	yarn barrier	left-pawed writer	midnight black fur	shaking treat jar
Loki	night vision	catnap shield	right-pawed writer	orange tabby stripes	shining laser pointer
Gizmo	sonic meow	catnap shield	left-pawed writer	calico patches	shining laser pointer
Sylvester	super leap	nip booster	left-pawed writer	orange tabby stripes	tossing crinkle toy
Smokey	super leap	catnap shield	left-pawed writer	orange tabby stripes	shaking treat jar
Angel	shadow stealth	nip booster	left-pawed writer	orange tabby stripes	shining laser pointer
Garfield	night vision	nip booster	right-pawed writer	midnight black fur	shining laser pointer
Fluffy	sonic meow	clover charm	right-pawed writer	calico patches	shining laser pointer

CLUE 1 Addition

We found piles of lost catnip mice near the gym. Let's add up all the toy piles we recovered to find the first big clue!

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

T																T
2078	6377	5839	6003	7412	8697	8697	6675	7412	6799	8696	4836	5839	7550	6799	4836	2078
			T													
6733	7550	5839	2078	6377	5839	7968	5839	8697	8697	5575	4836	8697	8697	6675	6914	

$1423 + 655 = \square \rightarrow \text{[T]}$	$2158 + 2678 = \square \rightarrow \text{[O]}$	$3019 + 5678 = \square \rightarrow \text{[L]}$
$1876 + 3963 = \square \rightarrow \text{[E]}$	$1692 + 3883 = \square \rightarrow \text{[C]}$	$4616 + 2934 = \square \rightarrow \text{[S]}$
$2732 + 3271 = \square \rightarrow \text{[V]}$	$3896 + 2903 = \square \rightarrow \text{[N]}$	$2547 + 4367 = \square \rightarrow \text{[R]}$
$4361 + 3607 = \square \rightarrow \text{[B]}$	$3599 + 3076 = \square \rightarrow \text{[A]}$	$3717 + 2660 = \square \rightarrow \text{[H]}$
$3409 + 3324 = \square \rightarrow \text{[U]}$	$5023 + 2389 = \square \rightarrow \text{[I]}$	$2730 + 5966 = \square \rightarrow \text{[D]}$

Scratch space:

CLUE 2

The security camera screen is fuzzy and only displays rounded numbers of pawprints. Let's round the counts to get the camera working!

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

Diagram illustrating a sequence of numbers and their corresponding values (T) across three rows:

- Row 1: 430, 20, 1300, 170, 130, 170, 1700, 1300, 4300, 430, 2300, 1300, 70, 430. The values 430, 430, and 430 are marked with 'T'.
- Row 2: 1700, 200, 500, 1700, 290, 7000, 1100, 430, 170, 4300, 290, 200, 430, 4300, 20, 1300, 170, 700, 1100. The values 430 and 430 are marked with 'T'.
- Row 3: 2300, 1300, 70, 430. The value 430 is marked with 'T'.

Round 428 to the nearest ten $\rightarrow$ **T**

Round 67 to the nearest ten $\rightarrow$ **F**

Round 126 to the nearest ten $\rightarrow$ **U**

Round 4,285 to the nearest hundred → **C**

Round 1,653 to the nearest hundred $\rightarrow$ **P**

Round 166 to the nearest hundred $\rightarrow$ **A**

Round 2,264 to the nearest hundred → **L**

Round 1,268 to the nearest hundred → **E**

Round 477 to the nearest hundred $\rightarrow$ **W**

Round 170 to the nearest ten $\rightarrow$ **S**

Round 1,072 to the nearest hundred → **N**

Round 7,169 to the nearest thousand $\rightarrow$

Round 291 to the nearest ten $\rightarrow$ **R**

Round 743 to the nearest hundred $\rightarrow$

Round 16 to the nearest ten → **H**

Scratch space:

CLUE 3

Subtraction

The thief knocked over a jar of gourmet salmon treats. If we subtract the treats left on the floor from the total, we can decode this secret message!

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

T															
5614	3879	5750	8147	5750	1761	1970	5614	1565	3879	1761	1970	5750	5820	1761	
6457	4757	7677	3820	8357	8067	6457	1385	5750	5820	5820	7677	5614	5820	5750	5614

$9662 - 4048 = \square \rightarrow \text{[T]}$

$5712 - 3565 = \square \rightarrow \text{[U]}$

$3188 - 1218 = \square \rightarrow \text{[S]}$

$3434 - 1673 = \square \rightarrow \text{[A]}$

$5057 - 1237 = \square \rightarrow \text{[W]}$

$12704 - 4347 = \square \rightarrow \text{[I]}$

$3441 - 2056 = \square \rightarrow \text{[R]}$

$2104 - 539 = \square \rightarrow \text{[C]}$

$8447 - 3690 = \square \rightarrow \text{[L]}$

$12531 - 4384 = \square \rightarrow \text{[B]}$

$10717 - 4897 = \square \rightarrow \text{[D]}$

$9363 - 1296 = \square \rightarrow \text{[N]}$

$8041 - 364 = \square \rightarrow \text{[O]}$

$9740 - 3283 = \square \rightarrow \text{[G]}$

$10465 - 4715 = \square \rightarrow \text{[E]}$

$7911 - 4032 = \square \rightarrow \text{[H]}$

Scratch space:

CLUE 4

Multiplication facts (1-12)

The culprit climbed up rows of scratching posts. Let's multiply the rows by the posts in each row to map their exact escape route!

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

O																
60	7	66	15	25	54	1	120	7	36	70	7	99	6	54	36	
36	15	66	25	25	54	110										

$5 \times 12 = \square \rightarrow \boxed{\text{O}}$

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

$5 \times 3 = \square \rightarrow \boxed{\text{N}}$

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

$12 \times 10 = \square \rightarrow \boxed{\text{U}}$

$3 \times 11 = \square \rightarrow \boxed{\text{H}}$

$11 \times 6 = \square \rightarrow \boxed{\text{A}}$

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

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

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

$1 \times 1 = \square \rightarrow \boxed{\text{F}}$

$5 \times 5 = \square \rightarrow \boxed{\text{G}}$

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

$10 \times 11 = \square \rightarrow \boxed{\text{D}}$

Scratch space:

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

We need to share these shiny bell toys equally among the search dogs. Dividing them up fairly will lead us to the final hideout!

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:

$36 \div 4 = \boxed{}$

$44 \div 4 = \boxed{}$

$48 \div 4 = \boxed{}$

$72 \div 9 = \boxed{}$

$8 \div 8 = \boxed{}$

$35 \div 5 = \boxed{}$

$12 \div 2 = \boxed{}$

$28 \div 7 = \boxed{}$

$110 \div 11 = \boxed{}$

$6 \div 2 = \boxed{}$

$16 \div 8 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain navigated the dark halls, then blocked the door with a yarn barrier.
2. The villain leaped over the high fence, then tinkled softly with a bell collar.
3. The villain hummed a low sonar tune, then boosted away with catnip energy.
4. The villain hummed a low sonar tune, then blocked the door with a yarn barrier.
5. The villain slipped through the shadows, then escaped using a clover charm.
6. The villain navigated the dark halls, then hid behind a giant catnap shield.
7. The villain shattered the glass with a meow, then tinkled softly with a bell collar.
8. The villain navigated the dark halls, then boosted away with catnip energy.
9. The villain hummed a low sonar tune, then hid behind a giant catnap shield.
10. The villain shattered the glass with a meow, then boosted away with catnip energy.
11. The villain slipped through the shadows, then boosted away with catnip energy.
12. The villain shattered the glass with a meow, then hid behind a giant catnap shield.

Answer Key

The Great Golden Tuna Caper

Culprit: Tom Cat

shadow stealth · clover charm · left-pawed writer · orange tabby stripes · shining laser pointer

Trail: Start 21 → Clue 1 19 → Clue 2 12 → Clue 3 8 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE VILLAIN DOES NOT USE THE BELL COLLAR"

$1423 + 655 = 2078$ (T) · $2158 + 2678 = 4836$ (O) · $3019 + 5678 = 8697$ (L) · $1876 + 3963 = 5839$ (E) · $1692 + 3883 = 5575$ (C) · $4616 + 2934 = 7550$ (S) · $2732 + 3271 = 6003$ (V) · $3896 + 2903 = 6799$ (N) · $2547 + 4367 = 6914$ (R) · $4361 + 3607 = 7968$ (B) · $3599 + 3076 = 6675$ (A) · $3717 + 2660 = 6377$ (H) · $3409 + 3324 = 6733$ (U) · $5023 + 2389 = 7412$ (I) · $2730 + 5966 = 8696$ (D)

Clue 2 (Rounding): "THE SUSPECT LEFT PAWPRINT SCRATCHES ON LEFT"

Round 428 to the nearest ten = 430 (T) · Round 67 to the nearest ten = 70 (F) · Round 126 to the nearest ten = 130 (U) · Round 4,285 to the nearest hundred = 4300 (C) · Round 1,653 to the nearest hundred = 1700 (P) · Round 166 to the nearest hundred = 200 (A) · Round 2,264 to the nearest hundred = 2300 (L) · Round 1,268 to the nearest hundred = 1300 (E) · Round 477 to the nearest hundred = 500 (W) · Round 170 to the nearest ten = 170 (S) · Round 1,072 to the nearest hundred = 1100 (N) · Round 7,169 to the nearest thousand = 7000 (I) · Round 291 to the nearest ten = 290 (R) · Round 743 to the nearest hundred = 700 (O) · Round 16 to the nearest ten = 20 (H)

Clue 3 (Subtraction): "THE BEAST CHASED A GLOWING RED DOT DETOUR"

$9662 - 4048 = 5614$ (T) · $5712 - 3565 = 2147$ (U) · $3188 - 1218 = 1970$ (S) · $3434 - 1673 = 1761$ (A) · $5057 - 1237 = 3820$ (W) · $12704 - 4347 = 8357$ (I) · $3441 - 2056 = 1385$ (R) · $2104 - 539 = 1565$ (C) · $8447 - 3690 = 4757$ (L) · $12531 - 4384 = 8147$ (B) · $10717 - 4897 = 5820$ (D) · $9363 - 1296 = 8067$ (N) · $8041 - 364 = 7677$ (O) · $9740 - 3283 = 6457$ (G) · $10465 - 4715 = 5750$ (E) · $7911 - 4032 = 3879$ (H)

Clue 4 (Multiplication facts (1-12)): "ORANGE FUR STRIPES SNAGGED ON THE RUG"

$5 \times 12 = 60$ (O) · $11 \times 9 = 99$ (I) · $5 \times 3 = 15$ (N) · $3 \times 12 = 36$ (S) · $12 \times 10 = 120$ (U) · $3 \times 11 = 33$ (H) · $11 \times 6 = 66$ (A) · $9 \times 6 = 54$ (E) · $3 \times 2 = 6$ (P) · $7 \times 1 = 7$ (R) · $1 \times 1 = 1$ (F) · $5 \times 5 = 25$ (G) · $10 \times 7 = 70$ (T) · $10 \times 11 = 110$ (D)

Clue 5 (Division facts (1-12)): surviving statement is box 5 → Tom Cat

$36 \div 4 = 9$ · $44 \div 4 = 11$ · $48 \div 4 = 12$ · $72 \div 9 = 8$ · $8 \div 8 = 1$ · $35 \div 5 = 7$ · $12 \div 2 = 6$ · $28 \div 7 = 4$ · $110 \div 11 = 10$ · $6 \div 2 = 3$ · $16 \div 8 = 2$