



The Case of the Missing Golden Fish

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

Detective: _____ Date: _____

The Golden Fish Statue has vanished from the Kitty City Museum! Mayor Meow needs the best paw on the case. Use your math skills to help our top detective sniff out the tricky Cat Burglar!

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 Cat Burglar is _____

Possible suspects

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

NAME	SUPER SKILL	SECRET GADGET	FAVORITE PAW	COAT COLOR	DISTRACTION
Sylvester	Night Vision	Catnip Bomb	Left Pawed	Calico Patches	Crinkly Paper
Gizmo	Wall Climb	Laser Pointer	Left Pawed	Orange Tabby	Warm Sunshine
Felix	Super Jump	Laser Pointer	Left Pawed	Orange Tabby	Warm Sunshine
Tom	Super Purr	Yarn Launcher	Left Pawed	Sleek Black	Warm Sunshine
Luna	Super Jump	Yarn Launcher	Left Pawed	Orange Tabby	Crinkly Paper
Socks	Super Purr	Catnip Bomb	Left Pawed	Orange Tabby	Warm Sunshine
Rusty	Silent Sneak	Yarn Launcher	Left Pawed	Sleek Black	Warm Sunshine
Milo	Night Vision	Laser Pointer	Left Pawed	Orange Tabby	Warm Sunshine
Shadow	Silent Sneak	Catnip Bomb	Right Pawed	Orange Tabby	Squeaky Toys
Oreo	Silent Sneak	Laser Pointer	Left Pawed	Orange Tabby	Squeaky Toys
Cleo	Night Vision	Fish Drone	Right Pawed	Sleek Black	Warm Sunshine
Pumpkin	Night Vision	Catnip Bomb	Right Pawed	Calico Patches	Crinkly Paper
Lucy	Super Purr	Fish Drone	Left Pawed	Calico Patches	Squeaky Toys
Whiskers	Super Purr	Yarn Launcher	Right Pawed	Calico Patches	Squeaky Toys
Smokey	Night Vision	Yarn Launcher	Left Pawed	Calico Patches	Warm Sunshine
Mittens	Wall Climb	Feather Shield	Left Pawed	Orange Tabby	Squeaky Toys
Boots	Super Purr	Catnip Bomb	Right Pawed	Sleek Black	Warm Sunshine
Bella	Super Purr	Fish Drone	Left Pawed	Sleek Black	Warm Sunshine
Loki	Night Vision	Laser Pointer	Right Pawed	Orange Tabby	Warm Sunshine
Simba	Wall Climb	Fish Drone	Left Pawed	Orange Tabby	Warm Sunshine
Garfield	Super Purr	Fish Drone	Right Pawed	Calico Patches	Crinkly Paper

CLUE 1 Subtraction

Detective Mittens counts the museum fish treats. Some are missing! Subtract the stolen ones to find a clue about the thief's gear.

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

T																	T
5996	8162	8774	2531	8848	2909	2909	6778	8848	8141	5965	4769	8774	5700	8141	4769	5996	

8279	5700	8774	6778	6008	8848	5700	8162	5965	6821	4769	8141	8774

8285 - 2289 = → T	8208 - 2508 = → S	9992 - 3171 = → R
13162 - 5000 = → H	5278 - 2747 = → V	5394 - 2485 = → L
10434 - 4426 = → F	6800 - 835 = → D	11126 - 2847 = → U
11613 - 4835 = → A	11043 - 2195 = → I	4932 - 163 = → O
10665 - 1891 = → E	9702 - 1561 = → N	

Scratch space:

CLUE 2

A security camera scanned the thief's weight, but the screen is dusty. Round the weight to the nearest ten to unlock the next clue!

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

2900 110 430 900 2000 900 50 430 130 2900 370 430 200 2900 370 430 200 2900

50 700 90 50 290 300 7000 2900 900

Round 2,894 to the nearest hundred $\rightarrow$ **T**

Round 433 to the nearest ten $\rightarrow$ **E**

Round 181 to the nearest hundred $\rightarrow$ **F**

Round 111 to the nearest ten $\rightarrow$ **H**

Round 92 to the nearest ten $\rightarrow$ **W**

Round 292 to the nearest ten $\rightarrow$ **R**

Round 6,772 to the nearest thousand $\rightarrow$ **N**

Round 890 to the nearest hundred $\rightarrow$

Round 372 to the nearest ten $\rightarrow$ **L**

Round 131 to the nearest ten $\rightarrow$ **C**

Round 741 to the nearest hundred $\rightarrow$ **A**

Round 1,996 to the nearest thousand $\rightarrow$ **U**

Round 50 to the nearest ten → **P**

Round 276 to the nearest hundred $\rightarrow$

Scratch space:

CLUE 3 Addition

The detective finds clues in the paw prints left in the sandbox. Add up all the muddy prints to see which paw the burglar used.

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

T		T				
7921 9571 2798	7921 9571 4984 2798 7040	7040 2798 3431 3431	5371 2923 3431 2798 2798 2017			

4984 6605	2923 5270 6605 2923 9571 4984 6605 2798

$4985 + 2936 = \square \rightarrow \boxed{\text{T}}$	$1243 + 774 = \square \rightarrow \boxed{\text{P}}$	$2135 + 2849 = \square \rightarrow \boxed{\text{I}}$
$3369 + 3236 = \square \rightarrow \boxed{\text{N}}$	$1509 + 1922 = \square \rightarrow \boxed{\text{L}}$	$1610 + 1313 = \square \rightarrow \boxed{\text{S}}$
$1952 + 3318 = \square \rightarrow \boxed{\text{U}}$	$4410 + 2630 = \square \rightarrow \boxed{\text{F}}$	$1942 + 3429 = \square \rightarrow \boxed{\text{A}}$
$1837 + 961 = \square \rightarrow \boxed{\text{E}}$	$4708 + 4863 = \square \rightarrow \boxed{\text{H}}$	

Scratch space:

CLUE 4
Multiplication facts (1-12)

The museum shelves hold rows of catnip cans. Multiply the rows by the cans in each row to find the thief's biggest weakness!

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

W																	
8	27	9	63	72	44	18	63	54	32	44	55	27	30	32	28	28	110
9	72	54	32	30	30	84	27	99	64	27	44	27					

$4 \times 2 = \square \rightarrow \boxed{W}$

$7 \times 4 = \square \rightarrow \boxed{B}$

$9 \times 1 = \square \rightarrow \boxed{F}$

$9 \times 3 = \square \rightarrow \boxed{E}$

$9 \times 8 = \square \rightarrow \boxed{U}$

$10 \times 3 = \square \rightarrow \boxed{T}$

$12 \times 7 = \square \rightarrow \boxed{H}$

$11 \times 5 = \square \rightarrow \boxed{G}$

$11 \times 10 = \square \rightarrow \boxed{Y}$

$9 \times 2 = \square \rightarrow \boxed{D}$

$11 \times 4 = \square \rightarrow \boxed{N}$

$11 \times 9 = \square \rightarrow \boxed{S}$

$4 \times 8 = \square \rightarrow \boxed{A}$

$8 \times 8 = \square \rightarrow \boxed{C}$

$7 \times 9 = \square \rightarrow \boxed{O}$

$9 \times 6 = \square \rightarrow \boxed{R}$

Scratch space:

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

We have a pile of shiny collars to share equally among the suspect search groups. Divide them up to reveal the thief's fur color!

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:

$110 \div 10 = \boxed{}$

$90 \div 9 = \boxed{}$

$84 \div 12 = \boxed{}$

$96 \div 8 = \boxed{}$

$40 \div 10 = \boxed{}$

$72 \div 8 = \boxed{}$

$40 \div 5 = \boxed{}$

$7 \div 7 = \boxed{}$

$12 \div 2 = \boxed{}$

$24 \div 8 = \boxed{}$

$55 \div 11 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain knocked over the giant milk jug, then scampered over the backyard fence.
2. The villain swiped the shiny golden fish trophy, then escaped out the tiny window.
3. The villain swiped the shiny golden fish trophy, then dashed into the dark alley.
4. The villain knocked over the giant milk jug, then climbed up the tall oak tree.
5. The villain unraveled the grand ball of yarn, then scratched the velvet couch.
6. The villain swiped the shiny golden fish trophy, then scampered over the backyard fence.
7. The villain stole the queen cat precious tiara, then escaped out the tiny window.
8. The villain swiped the shiny golden fish trophy, then scratched the velvet couch.
9. The villain stole the queen cat precious tiara, then climbed up the tall oak tree.
10. The villain unraveled the grand ball of yarn, then escaped out the tiny window.
11. The villain snatched the royal salmon treat, then scratched the velvet couch.
12. The villain stole the queen cat precious tiara, then scratched the velvet couch.

Answer Key

The Case of the Missing Golden Fish

Culprit: Felix

Super Jump · Laser Pointer · Left Pawed · Orange Tabby · Warm Sunshine

Trail: Start 21 → Clue 1 16 → Clue 2 11 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Subtraction): "THE VILLAIN DOES NOT USE A FISH DRONE"

$8285 - 2289 = 5996$ (T) · $8208 - 2508 = 5700$ (S) · $9992 - 3171 = 6821$ (R) · $13162 - 5000 = 8162$ (H) · $5278 - 2747 = 2531$ (V) · $5394 - 2485 = 2909$ (L) · $10434 - 4426 = 6008$ (F) · $6800 - 835 = 5965$ (D) · $11126 - 2847 = 8279$ (U) · $11613 - 4835 = 6778$ (A) · $11043 - 2195 = 8848$ (I) · $4932 - 163 = 4769$ (O) · $10665 - 1891 = 8774$ (E) · $9702 - 1561 = 8141$ (N)

Clue 2 (Rounding): "THE SUSPECT LEFT LEFT PAW PRINTS"

Round 2,894 to the nearest hundred = 2900 (T) · Round 433 to the nearest ten = 430 (E) · Round 181 to the nearest hundred = 200 (F) · Round 111 to the nearest ten = 110 (H) · Round 92 to the nearest ten = 90 (W) · Round 292 to the nearest ten = 290 (R) · Round 6,772 to the nearest thousand = 7000 (N) · Round 890 to the nearest hundred = 900 (S) · Round 372 to the nearest ten = 370 (L) · Round 131 to the nearest ten = 130 (C) · Round 741 to the nearest hundred = 700 (A) · Round 1,996 to the nearest thousand = 2000 (U) · Round 50 to the nearest ten = 50 (P) · Round 276 to the nearest hundred = 300 (I)

Clue 3 (Addition): "THE THIEF FELL ASLEEP IN SUNSHINE"

$4985 + 2936 = 7921$ (T) · $1243 + 774 = 2017$ (P) · $2135 + 2849 = 4984$ (I) · $3369 + 3236 = 6605$ (N) · $1509 + 1922 = 3431$ (L) · $1610 + 1313 = 2923$ (S) · $1952 + 3318 = 5270$ (U) · $4410 + 2630 = 7040$ (F) · $1942 + 3429 = 5371$ (A) · $1837 + 961 = 2798$ (E) · $4708 + 4863 = 9571$ (H)

Clue 4 (Multiplication facts (1-12)): "WE FOUND ORANGE TABBY FUR AT THE SCENE"

$4 \times 2 = 8$ (W) · $7 \times 4 = 28$ (B) · $9 \times 1 = 9$ (F) · $9 \times 3 = 27$ (E) · $9 \times 8 = 72$ (U) · $10 \times 3 = 30$ (T) · $12 \times 7 = 84$ (H) · $11 \times 5 = 55$ (G) · $11 \times 10 = 110$ (Y) · $9 \times 2 = 18$ (D) · $11 \times 4 = 44$ (N) · $11 \times 9 = 99$ (S) · $4 \times 8 = 32$ (A) · $8 \times 8 = 64$ (C) · $7 \times 9 = 63$ (O) · $9 \times 6 = 54$ (R)

Clue 5 (Division facts (1-12)): surviving statement is box 2 → Felix

$110 \div 10 = 11$ · $90 \div 9 = 10$ · $84 \div 12 = 7$ · $96 \div 8 = 12$ · $40 \div 10 = 4$ · $72 \div 8 = 9$ · $40 \div 5 = 8$ · $7 \div 7 = 1$ · $12 \div 2 = 6$ · $24 \div 8 = 3$ · $55 \div 11 = 5$