



The Case of the Golden Tuna

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

Detective: _____ Date: _____

The Golden Tuna Statue has been swiped from the Purrville Museum! Mayor Whiskers needs the Kitty Squad to track down the sneaky cat burglar before the big fish 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 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	PRIMARY ABILITY	SECRET SKILL	DOMINANT PAW	COAT STYLE	GREATEST FEAR
Figaro	Super Jump	Catnip Floating	Left Pawed	Black Cat Fur	Spray Water Bottle
Berlioz	Fast Scratching	Catnip Floating	Right Pawed	Orange Tabby Fur	Spray Water Bottle
Fluffy	Loud Purring	Chasing Lasers	Left Pawed	Black Cat Fur	Vacuum Cleaner Hum
Snowball	Silent Sneaking	Tuna Sniffing	Right Pawed	Black Cat Fur	Spray Water Bottle
Boots	Fast Scratching	Yarn Tangling	Right Pawed	Calico Patched Fur	Vacuum Cleaner Hum
Sylvester	Super Jump	Catnip Floating	Right Pawed	Orange Tabby Fur	Squeaky Toy Noise
Whiskers	Night Vision	Catnip Floating	Right Pawed	Orange Tabby Fur	Spray Water Bottle
Salem	Night Vision	Chasing Lasers	Left Pawed	Calico Patched Fur	Squeaky Toy Noise
Felix	Fast Scratching	Chasing Lasers	Left Pawed	Black Cat Fur	Spray Water Bottle
Morris	Fast Scratching	Yarn Tangling	Right Pawed	Orange Tabby Fur	Spray Water Bottle
Chloe	Loud Purring	Tuna Sniffing	Right Pawed	Calico Patched Fur	Vacuum Cleaner Hum
Oliver	Loud Purring	Climbing Walls	Left Pawed	Orange Tabby Fur	Squeaky Toy Noise
Nala	Fast Scratching	Catnip Floating	Left Pawed	Black Cat Fur	Spray Water Bottle
Luna	Silent Sneaking	Yarn Tangling	Right Pawed	Orange Tabby Fur	Vacuum Cleaner Hum
Simba	Silent Sneaking	Tuna Sniffing	Right Pawed	Orange Tabby Fur	Spray Water Bottle
Mittens	Super Jump	Catnip Floating	Left Pawed	Calico Patched Fur	Squeaky Toy Noise
Marie	Fast Scratching	Climbing Walls	Right Pawed	Orange Tabby Fur	Spray Water Bottle
Milo	Silent Sneaking	Catnip Floating	Right Pawed	Orange Tabby Fur	Squeaky Toy Noise
Socks	Loud Purring	Chasing Lasers	Left Pawed	Orange Tabby Fur	Spray Water Bottle
Hobbes	Night Vision	Catnip Floating	Left Pawed	Orange Tabby Fur	Squeaky Toy Noise
Garfield	Night Vision	Climbing Walls	Left Pawed	Black Cat Fur	Squeaky Toy Noise

CLUE 1

A fuzzy heat camera scanned the backyard. It only displays numbers rounded to the nearest ten to save power. Let us solve it to get our first lead.

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

Round 3,696 to the nearest hundred → **T**

Round 68 to the nearest ten $\rightarrow$ **H**

Round 93 to the nearest ten $\rightarrow$ **C**

Round 163 to the nearest hundred $\rightarrow$ **G**

Round 254 to the nearest hundred $\rightarrow$ **E**

Round 933 to the nearest hundred $\rightarrow$ **Y**

Round 1,092 to the nearest hundred → **R**

Round 1,663 to the nearest hundred $\rightarrow$ **U**

Round 107 to the nearest ten $\rightarrow$ **L**

Round 2,620 to the nearest thousand $\rightarrow$ **B**

Round 231 to the nearest ten $\rightarrow$ **A**

Round 4,298 to the nearest hundred $\rightarrow$ **N**

Round 2,934 to the nearest hundred $\rightarrow$ **0**

Scratch space:

CLUE 2 Addition

We found a box of dropped catnip mice near the gate. Let us add up all the lost toys to find another hint.

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

T																	
2879	8904	7386	9055	4430	7386	3919	8614	6734	4131	3365	5427	8440	4070	3919	5427	2218	9055

				T					
5427	2218	8440	8904	2879	6369	3919	4499	7386	6070

$1904 + 975 = \square \rightarrow \boxed{T}$

$2473 + 1446 = \square \rightarrow \boxed{A}$

$2096 + 2334 = \square \rightarrow \boxed{N}$

$1437 + 3062 = \square \rightarrow \boxed{W}$

$2423 + 3004 = \square \rightarrow \boxed{R}$

$1814 + 1551 = \square \rightarrow \boxed{U}$

$5584 + 3320 = \square \rightarrow \boxed{H}$

$1408 + 810 = \square \rightarrow \boxed{I}$

$5416 + 3024 = \square \rightarrow \boxed{G}$

$2336 + 3734 = \square \rightarrow \boxed{D}$

$2908 + 3461 = \square \rightarrow \boxed{P}$

$2608 + 4126 = \square \rightarrow \boxed{Y}$

$2026 + 2044 = \square \rightarrow \boxed{L}$

$4870 + 2516 = \square \rightarrow \boxed{E}$

$4739 + 3875 = \square \rightarrow \boxed{K}$

$4761 + 4294 = \square \rightarrow \boxed{S}$

$1687 + 2444 = \square \rightarrow \boxed{B}$

Scratch space:

CLUE 3

Subtraction

The thief ate some fish treats from the pantry jar. Subtract the leftovers from the start amount to see what they took.

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

T							T			T									
8615	3526	2565	4907	3526	7656	8615	2565	8615	3526	2565	6038	7656	8615	2565	7618				
3995	8896	7618	7656	4907															

$13335 - 4720 = \square \rightarrow \boxed{\text{T}}$

$7569 - 2662 = \square \rightarrow \boxed{\text{Y}}$

$8265 - 2227 = \square \rightarrow \boxed{\text{W}}$

$4593 - 598 = \square \rightarrow \boxed{\text{S}}$

$9246 - 1628 = \square \rightarrow \boxed{\text{R}}$

$5703 - 3138 = \square \rightarrow \boxed{\text{E}}$

$4588 - 1062 = \square \rightarrow \boxed{\text{H}}$

$10051 - 2395 = \square \rightarrow \boxed{\text{A}}$

$11660 - 2764 = \square \rightarrow \boxed{\text{P}}$

Scratch space:

CLUE 4

Multiplication facts (1-12)

The kitty squad spotted neat rows of paw prints in the mud. Multiply the rows of prints to reveal the suspect's hair color.

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

W																	
33	100	24	70	1	3	96	70	54	16	3	72	100	77	16	32	32	42

24	1	54

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

$9 \times 8 = \square \rightarrow \boxed{\text{G}}$

$11 \times 7 = \square \rightarrow \boxed{\text{T}}$

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

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

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

$10 \times 10 = \square \rightarrow \boxed{\text{E}}$

$1 \times 3 = \square \rightarrow \boxed{\text{N}}$

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

$2 \times 8 = \square \rightarrow \boxed{\text{A}}$

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

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

$7 \times 6 = \square \rightarrow \boxed{\text{Y}}$

Scratch space:

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

We must split these shiny bell collars equally among the team. Divide them up to discover the villain's secret weakness.

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:

$56 \div 7 = \boxed{}$

$10 \div 2 = \boxed{}$

$33 \div 3 = \boxed{}$

$30 \div 3 = \boxed{}$

$60 \div 10 = \boxed{}$

$3 \div 3 = \boxed{}$

$36 \div 9 = \boxed{}$

$20 \div 10 = \boxed{}$

$70 \div 10 = \boxed{}$

$3 \div 1 = \boxed{}$

$99 \div 11 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain leaped over the security lasers, then then hid behind the giant fish tank.
2. The villain leaped over the security lasers, then then meowed loudly at the moon.
3. The villain snuck through the cat flap door, then then took a quick catnap in the sun.
4. The villain leaped over the security lasers, then then took a quick catnap in the sun.
5. The villain scratched the velvet museum chairs, then then hid behind the giant fish tank.
6. The villain knocked over a glass milk bottle, then then hid behind the giant fish tank.
7. The villain scrambled up the high velvet drapes, then then left muddy paw prints on the rug.
8. The villain snuck through the cat flap door, then then hid behind the giant fish tank.
9. The villain knocked over a glass milk bottle, then then left muddy paw prints on the rug.
10. The villain scratched the velvet museum chairs, then then meowed loudly at the moon.
11. The villain leaped over the security lasers, then then batted a loose yarn ball away.
12. The villain snuck through the cat flap door, then then left muddy paw prints on the rug.

Answer Key

The Case of the Golden Tuna

Culprit: Marie

Fast Scratching · Climbing Walls · Right Pawed · Orange Tabby Fur · Spray Water Bottle

Trail: Start 21 → Clue 1 18 → Clue 2 8 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE CAT BURGLAR CANNOT TANGLE YARN"

Round 3,696 to the nearest hundred = 3700 (T) · Round 68 to the nearest ten = 70 (H) · Round 93 to the nearest ten = 90 (C) · Round 163 to the nearest hundred = 200 (G) · Round 254 to the nearest hundred = 300 (E) · Round 933 to the nearest hundred = 900 (Y) · Round 1,092 to the nearest hundred = 1100 (R) · Round 1,663 to the nearest hundred = 1700 (U) · Round 107 to the nearest ten = 110 (L) · Round 2,620 to the nearest thousand = 3000 (B) · Round 231 to the nearest ten = 230 (A) · Round 4,298 to the nearest hundred = 4300 (N) · Round 2,934 to the nearest hundred = 2900 (O)

Clue 2 (Addition): "THE SNEAKY BURGLAR IS RIGHT PAWED"

$1904 + 975 = 2879$ (T) · $2473 + 1446 = 3919$ (A) · $2096 + 2334 = 4430$ (N) · $1437 + 3062 = 4499$ (W) · $2423 + 3004 = 5427$ (R) · $1814 + 1551 = 3365$ (U) · $5584 + 3320 = 8904$ (H) · $1408 + 810 = 2218$ (I) · $5416 + 3024 = 8440$ (G) · $2336 + 3734 = 6070$ (D) · $2908 + 3461 = 6369$ (P) · $2608 + 4126 = 6734$ (Y) · $2026 + 2044 = 4070$ (L) · $4870 + 2516 = 7386$ (E) · $4739 + 3875 = 8614$ (K) · $4761 + 4294 = 9055$ (S) · $1687 + 2444 = 4131$ (B)

Clue 3 (Subtraction): "THEY HATE THE WATER SPRAY"

$13335 - 4720 = 8615$ (T) · $7569 - 2662 = 4907$ (Y) · $8265 - 2227 = 6038$ (W) · $4593 - 598 = 3995$ (S) · $9246 - 1628 = 7618$ (R) · $5703 - 3138 = 2565$ (E) · $4588 - 1062 = 3526$ (H) · $10051 - 2395 = 7656$ (A) · $11660 - 2764 = 8896$ (P)

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

$11 \times 3 = 33$ (W) · $9 \times 8 = 72$ (G) · $11 \times 7 = 77$ (T) · $8 \times 12 = 96$ (D) · $1 \times 1 = 1$ (U) · $7 \times 10 = 70$ (O) · $10 \times 10 = 100$ (E) · $1 \times 3 = 3$ (N) · $8 \times 3 = 24$ (F) · $2 \times 8 = 16$ (A) · $9 \times 6 = 54$ (R) · $8 \times 4 = 32$ (B) · $7 \times 6 = 42$ (Y)

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

$56 \div 7 = 8$ · $10 \div 2 = 5$ · $33 \div 3 = 11$ · $30 \div 3 = 10$ · $60 \div 10 = 6$ · $3 \div 3 = 1$ · $36 \div 9 = 4$ · $20 \div 10 = 2$ · $70 \div 10 = 7$ · $3 \div 1 = 3$ · $99 \div 11 = 9$