



The Whisker Haven Golden Fish Caper

Grade 4 math · Multiplication, Place value, Skip counting, Rounding, Division · Reading level grades 3-4

Detective: _____ Date: _____

Someone snuck into the Whisker Haven Sanctuary last night and took the Golden Fish Trophy! Detective Whiskers arrived at the scene to interview twenty-four sneaky feline suspects. Solve the clues to discover who took the trophy before naptime!

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	FELINE TRICK	STEALTH GEAR	PAWS PREFERENCE	FUR COLOR	TOY DISTRACTION
Figaro	Silent Walking	Feather Wand	Right Pawed	Midnight Black	Catnip Bubbles
Felix	Shadow Gliding	Yarn Ball	Right Pawed	Midnight Black	Laser Pointer
Garfield	Silent Walking	Squeaky Mouse	Right Pawed	Calico Pattern	Crinkly Paper
Crookshanks	Silent Walking	Yarn Ball	Right Pawed	Midnight Black	Catnip Bubbles
Oliver	Laser Chasing	Catnip Pouch	Right Pawed	Calico Pattern	Crinkly Paper
Cheshire	Laser Chasing	Yarn Ball	Right Pawed	Calico Pattern	Crinkly Paper
Simba	Wall Climbing	Feather Wand	Left Pawed	Calico Pattern	Crinkly Paper
Marie	Shadow Gliding	Squeaky Mouse	Left Pawed	Calico Pattern	Catnip Bubbles
Salem	Shadow Gliding	Catnip Pouch	Right Pawed	Calico Pattern	Crinkly Paper
Mittens	Laser Chasing	Feather Wand	Left Pawed	Midnight Black	Laser Pointer
Tom	Super Leaping	Feather Wand	Left Pawed	Orange Tabby	Crinkly Paper
Milo	Silent Walking	Yarn Ball	Left Pawed	Orange Tabby	Catnip Bubbles
Socks	Super Leaping	Catnip Pouch	Right Pawed	Orange Tabby	Crinkly Paper
Cleo	Shadow Gliding	Catnip Pouch	Left Pawed	Orange Tabby	Crinkly Paper
Meowth	Wall Climbing	Catnip Pouch	Right Pawed	Calico Pattern	Crinkly Paper
Sockington	Wall Climbing	Squeaky Mouse	Right Pawed	Calico Pattern	Laser Pointer
Sylvester	Super Leaping	Yarn Ball	Right Pawed	Orange Tabby	Laser Pointer
Penelope	Laser Chasing	Yarn Ball	Left Pawed	Orange Tabby	Laser Pointer
Berlioz	Super Leaping	Bell Collar	Left Pawed	Calico Pattern	Catnip Bubbles
Toulouse	Silent Walking	Catnip Pouch	Right Pawed	Orange Tabby	Catnip Bubbles
Lucifer	Shadow Gliding	Yarn Ball	Right Pawed	Calico Pattern	Catnip Bubbles

CLUE 1
Multiplication facts (1-12)

Detective Whiskers counts equal rows of crunchy fish snacks to unlock the first clue vault.

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

T															T
55	11	54	108	100	15	45	44	66	15	35	66	77	21	88	55

36	66	15	15	42	20	21	45	66	77	99	100	54	66	10	42

14	88	100	77	54

$5 \times 11 = \square \rightarrow \text{T}$	$6 \times 7 = \square \rightarrow \text{Y}$	$6 \times 9 = \square \rightarrow \text{E}$	$5 \times 9 = \square \rightarrow \text{G}$
$3 \times 12 = \square \rightarrow \text{C}$	$1 \times 10 = \square \rightarrow \text{K}$	$6 \times 11 = \square \rightarrow \text{A}$	
$10 \times 10 = \square \rightarrow \text{U}$	$3 \times 7 = \square \rightarrow \text{N}$	$7 \times 11 = \square \rightarrow \text{S}$	
$4 \times 11 = \square \rightarrow \text{L}$	$7 \times 5 = \square \rightarrow \text{W}$	$10 \times 2 = \square \rightarrow \text{I}$	
$8 \times 11 = \square \rightarrow \text{O}$	$12 \times 9 = \square \rightarrow \text{B}$	$11 \times 1 = \square \rightarrow \text{H}$	
$11 \times 9 = \square \rightarrow \text{Q}$	$3 \times 5 = \square \rightarrow \text{R}$	$7 \times 2 = \square \rightarrow \text{M}$	

Scratch space:

CLUE 2 Place value

A shiny code pad at the door shows a mystery digit in the tens place.

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

T																
9000	80	40	200	10	40	90	700	60	4000	900	50	20	5000	90	50	
								T						T		
200	30	6000	800	40	70	30	6000	9000	80	90	50	6000	20	80	9000	800
																90
																30

What is the value of the 9 in 9,217? → **T**

What is the value of the 1 in 7,715? → **N**

What is the value of the 8 in 7,800? → **P**

What is the value of the 2 in 5,271? → **S**

What is the value of the 2 in 521? → **G**

What is the value of the 9 in 396? → **A**

What is the value of the 3 in 632? → **W**

What is the value of the 7 in 4,744? → **K**

What is the value of the 4 in 34,807? → **B**

What is the value of the 4 in 6,247? → **E**

What is the value of the 9 in 7,988? → **U**

What is the value of the 8 in 9,684? → **H**

What is the value of the 7 in 9,174? → **D**

What is the value of the 6 in 6,510? → **I**

What is the value of the 6 in 562? → **Y**

What is the value of the 5 in 8,354? → **R**

What is the value of the 5 in 15,279? → **L**

Scratch space:

CLUE 3 Skip counting

Hop along the paw print tiles in equal jumps to follow the sneaky burglar footsteps.

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

C																			
33	120	21	12	27	16	9	18	50	18	10	120	60	18	120	10	50	40	130	12
8	16	130	130	120	60	16	130	100	10	40	65	15	10	42	40	130	100	12	

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, __, 36, 39 → **C**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, __, 65, 70 → **S**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, __, 70, 75 → **T**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, __, 55, 60 → **A**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, __, 12, 14 → **E**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, __, 30, 33 → **K**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, __, 18, 21 → **H**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 → **O**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, __, 21, 24 → **P**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, __, 18, 20 → **L**

Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 → **Y**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, __, 45, 48 → **M**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, __, 110, 120 → **W**

Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 → **F**

Skip-count by 3s. Fill the blank: 3, 6, 9, __, 15, 18 → **N**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, __, 24, 27 → **I**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, __, 130, 140 → **R**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, __, 45, 50 → **D**

Scratch space:

CLUE 4
Rounding

The digital scale rounds the stolen trophy weight to the nearest ten grams.

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

C				C															
2300	7000	1100	700	2300	2900	170	7000	50	50	900	5000	200	20	290	5000	30	7000	1700	
1700	50	5000	7000	200	70	900	70	2900	200	50	500	900	70	2900	2900	5000			

Round 2,263 to the nearest hundred → **C**

Round 186 to the nearest hundred → **N**

Round 1,110 to the nearest hundred → **L**

Round 1,747 to the nearest hundred → **S**

Round 519 to the nearest hundred → **H**

Round 68 to the nearest ten → **D**

Round 4,513 to the nearest thousand → **R**

Round 23 to the nearest ten → **F**

Round 6,503 to the nearest thousand → **A**

Round 167 to the nearest ten → **P**

Round 2,886 to the nearest hundred → **O**

Round 290 to the nearest ten → **U**

Round 875 to the nearest hundred → **E**

Round 34 to the nearest ten → **W**

Round 52 to the nearest ten → **T**

Round 708 to the nearest hundred → **I**

Scratch space:

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

Share all the recovered toy mice equally into cat baskets to reveal the final answer.

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:

$6 \div 1 = \boxed{}$

$66 \div 6 = \boxed{}$

$45 \div 9 = \boxed{}$

$8 \div 8 = \boxed{}$

$4 \div 1 = \boxed{}$

$80 \div 10 = \boxed{}$

$4 \div 2 = \boxed{}$

$14 \div 2 = \boxed{}$

$99 \div 11 = \boxed{}$

$36 \div 12 = \boxed{}$

$50 \div 5 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain snuck silently through the cat door, then tangled up the yarn ball.
2. The villain glided smoothly down the scratching post, then swiped the squeaky mouse.
3. The villain pounced quietly across the rafters, then snagged the feather wand.
4. The villain leaped gracefully over the counter, then jingled away with the bell collar.
5. The villain pounced quietly across the rafters, then pocketed the catnip pouch.
6. The villain chased shadows along the hallway, then pocketed the catnip pouch.
7. The villain snuck silently through the cat door, then snagged the feather wand.
8. The villain snuck silently through the cat door, then swiped the squeaky mouse.
9. The villain pounced quietly across the rafters, then swiped the squeaky mouse.
10. The villain glided smoothly down the scratching post, then tangled up the yarn ball.
11. The villain chased shadows along the hallway, then tangled up the yarn ball.
12. The villain glided smoothly down the scratching post, then pocketed the catnip pouch.

Answer Key

The Whisker Haven Golden Fish Caper

Culprit: Salem

Shadow Gliding · Catnip Pouch · Right Pawed · Calico Pattern · Crinkly Paper

Trail: Start 21 → Clue 1 18 → Clue 2 11 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE BURGLAR WAS NOT CARRYING A SQUEAKY MOUSE"

$5 \times 11 = 55$ (T) · $6 \times 7 = 42$ (Y) · $6 \times 9 = 54$ (E) · $5 \times 9 = 45$ (G) · $3 \times 12 = 36$ (C) · $1 \times 10 = 10$ (K) · $6 \times 11 = 66$ (A) · $10 \times 10 = 100$ (U) · $3 \times 7 = 21$ (N) · $7 \times 11 = 77$ (S) · $4 \times 11 = 44$ (L) · $7 \times 5 = 35$ (W) · $10 \times 2 = 20$ (I) · $8 \times 11 = 88$ (O) · $12 \times 9 = 108$ (B) · $11 \times 1 = 11$ (H) · $11 \times 9 = 99$ (Q) · $3 \times 5 = 15$ (R) · $7 \times 2 = 14$ (M)

Clue 2 (Place value): "THE SNEAKY BURGLAR SWIPED WITH A RIGHT PAW"

What is the value of the 9 in 9,217? = 9000 (T) · What is the value of the 1 in 7,715? = 10 (N) · What is the value of the 8 in 7,800? = 800 (P) · What is the value of the 2 in 5,271? = 200 (S) · What is the value of the 2 in 521? = 20 (G) · What is the value of the 9 in 396? = 90 (A) · What is the value of the 3 in 632? = 30 (W) · What is the value of the 7 in 4,744? = 700 (K) · What is the value of the 4 in 34,807? = 4000 (B) · What is the value of the 4 in 6,247? = 40 (E) · What is the value of the 9 in 7,988? = 900 (U) · What is the value of the 8 in 9,684? = 80 (H) · What is the value of the 7 in 9,174? = 70 (D) · What is the value of the 6 in 6,510? = 6000 (I) · What is the value of the 6 in 562? = 60 (Y) · What is the value of the 5 in 8,354? = 50 (R) · What is the value of the 5 in 15,279? = 5000 (L)

Clue 3 (Skip counting): "CRINKLY PAPER SPREAD ON FLOOR SLOWED THEM DOWN"

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, __, 36, 39 = 33 (C) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, __, 65, 70 = 60 (S) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, __, 55, 60 = 50 (A) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, __, 12, 14 = 10 (E) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, __, 30, 33 = 27 (K) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, __, 18, 21 = 15 (H) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 = 130 (O) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, __, 21, 24 = 18 (P) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, __, 18, 20 = 16 (L) · Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 = 9 (Y) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, __, 45, 48 = 42 (M) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, __, 110, 120 = 100 (W) · Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 = 8 (F) · Skip-count by 3s. Fill the blank: 3, 6, 9, __, 15, 18 = 12 (N) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, __, 24, 27 = 21 (I) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, __, 130, 140 = 120 (R) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, __, 45, 50 = 40 (D)

Clue 4 (Rounding): "CALICO PATTERN FUR WAS STRANDED ON THE DOOR"

Round 2,263 to the nearest hundred = 2300 (C) · Round 186 to the nearest hundred = 200 (N) · Round 1,110 to the nearest hundred = 1100 (L) · Round 1,747 to the nearest hundred = 1700 (S) · Round 519 to the nearest hundred = 500 (H) · Round 68 to the nearest ten = 70 (D) · Round 4,513 to the nearest thousand = 5000 (R) · Round 23 to the nearest ten = 20 (F) · Round 6,503 to the nearest thousand = 7000 (A) · Round 167 to the nearest ten = 170 (P) · Round 2,886 to the nearest hundred = 2900 (O) · Round 290 to the nearest ten = 290 (U) · Round 875 to the nearest hundred = 900 (E) · Round 34 to the nearest ten = 30 (W) · Round 52 to the nearest ten = 50 (T) · Round 708 to the nearest hundred = 700 (I)

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

$6 \div 1 = 6$ · $66 \div 6 = 11$ · $45 \div 9 = 5$ · $8 \div 8 = 1$ · $4 \div 1 = 4$ · $80 \div 10 = 8$ · $4 \div 2 = 2$ · $14 \div 2 = 7$ · $99 \div 11 = 9$ · $36 \div 12 = 3$ · $50 \div 5 = 10$