The Case of the Missing Golden Tuna

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

Detective: _____ **Date:** _____

Someone snuck into the hotel kitchen and snatched the Golden Tuna trophy. Help Detective Whiskers examine the evidence and catch the sneaky 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.

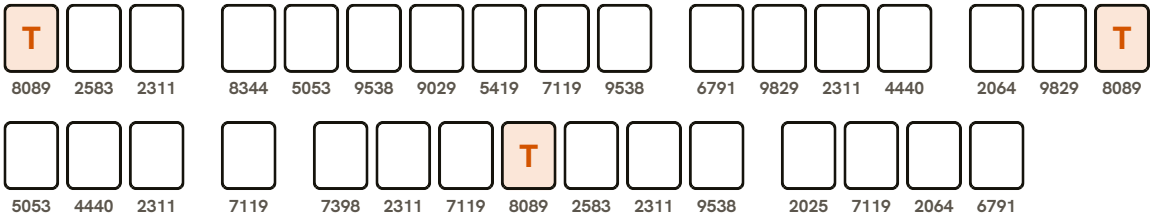
NAME	SPECIAL SKILL	GADGET USED	DOMINANT PAW	FUR PATTERN	SECRET FEAR
Whiskers	laser focus	catmint dart	right pawed	orange tabby fur	allergic to water
Cleo	night vision	bell collar	right pawed	black sleek fur	distracted by fish
Nala	super pounce	yarn lasso	right pawed	orange tabby fur	scared of vacuum
Jasper	night vision	yarn lasso	right pawed	orange tabby fur	allergic to water
Felix	night vision	feather wand	left pawed	orange tabby fur	allergic to water
Hazel	wall climb	yarn lasso	right pawed	orange tabby fur	distracted by fish
Mochi	wall climb	yarn lasso	left pawed	calico patch fur	allergic to water
Mittens	super pounce	feather wand	right pawed	orange tabby fur	distracted by fish
Ziggy	night vision	catmint dart	right pawed	black sleek fur	distracted by fish
Shadow	wall climb	catmint dart	right pawed	calico patch fur	allergic to water
Sylvester	laser focus	yarn lasso	right pawed	black sleek fur	distracted by fish
Oliver	silent stealth	bell collar	left pawed	orange tabby fur	distracted by fish
Peanut	laser focus	feather wand	left pawed	black sleek fur	distracted by fish
Socks	laser focus	catnip spray	right pawed	orange tabby fur	distracted by fish
Barnaby	silent stealth	yarn lasso	left pawed	black sleek fur	distracted by fish
Tom	super pounce	yarn lasso	right pawed	black sleek fur	distracted by fish
Simba	silent stealth	bell collar	right pawed	calico patch fur	scared of vacuum
Smokey	silent stealth	yarn lasso	right pawed	orange tabby fur	distracted by fish
Luna	wall climb	bell collar	left pawed	calico patch fur	distracted by fish
Patches	wall climb	bell collar	right pawed	orange tabby fur	distracted by fish
Bella	night vision	bell collar	left pawed	calico patch fur	distracted by fish

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CLUE 1 Addition

Detective Whiskers counts up all the stray cat treats left near the kitchen door to find a secret clue.

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



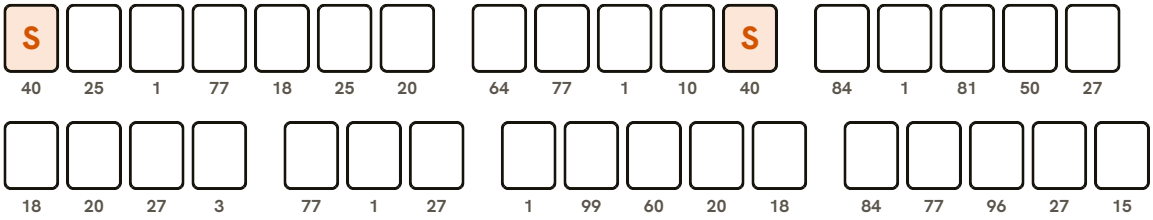
3449 + 4640 = ☐ → T	1270 + 1041 = ☐ → E	1051 + 1013 = ☐ → N
5110 + 2288 = ☐ → F	1618 + 2822 = ☐ → S	2386 + 2667 = ☐ → U
900 + 1683 = ☐ → H	4362 + 2429 = ☐ → D	633 + 1392 = ☐ → W
4363 + 4666 = ☐ → G	3601 + 3518 = ☐ → A	4693 + 5136 = ☐ → O
5937 + 3601 = ☐ → R	3730 + 1689 = ☐ → L	3702 + 4642 = ☐ → B

Scratch space:

CLUE 2 Multiplication facts (1-12)

> The detective checks identical rows of tuna cans stacked on the pantry shelves to spot what was stolen.

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



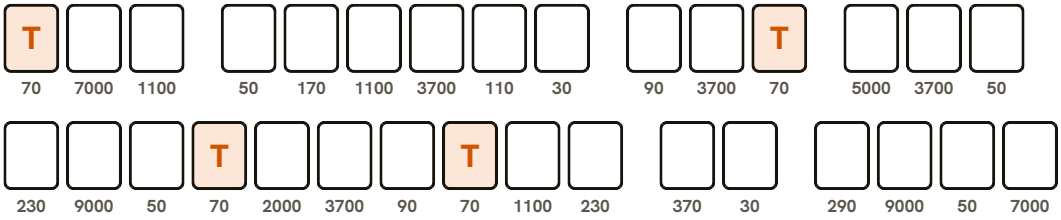
4 × 10 = ☐ → S	3 × 6 = ☐ → T	3 × 5 = ☐ → D
10 × 6 = ☐ → G	9 × 3 = ☐ → E	5 × 2 = ☐ → K
9 × 9 = ☐ → O		
5 × 10 = ☐ → V	1 × 1 = ☐ → R	7 × 11 = ☐ → A
8 × 12 = ☐ → W	7 × 12 = ☐ → P	9 × 11 = ☐ → I
4 × 5 = ☐ → H	8 × 8 = ☐ → M	1 × 3 = ☐ → Y
5 × 5 = ☐ → C		

Scratch space:

CLUE 3 Rounding

The security monitor nearby only shows rounded numbers for the weight on the floor pressure mat.

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



Round 66 to the nearest ten ☐ → T

Round 3,703 to the nearest hundred ☐ → A

Round 288 to the nearest ten ☐ → F

Round 8,942 to the nearest thousand ☐ → I

Round 4,811 to the nearest thousand ☐ → W

Round 30 to the nearest ten ☐ → Y

Round 114 to the nearest ten ☐ → K

Round 1,702 to the nearest thousand ☐ → R

Round 372 to the nearest ten ☐ → B

Round 49 to the nearest ten ☐ → S

Round 1,136 to the nearest hundred ☐ → E

Round 230 to the nearest ten ☐ → D

Round 89 to the nearest ten ☐ → C

Round 7,489 to the nearest thousand ☐ → H

Round 169 to the nearest ten ☐ → N

Scratch space:

CLUE 4 Subtraction

Whiskers subtracts the missing fish biscuits from the total batch to figure out how many were taken.

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



11215 - 2231 = ☐ → I	5325 - 4213 = ☐ → V	5889 - 2958 = ☐ → T
10064 - 4377 = ☐ → D	5326 - 478 = ☐ → F	6712 - 425 = ☐ → A
4224 - 2559 = ☐ → O	8948 - 3242 = ☐ → N	5845 - 930 = ☐ → B
6994 - 3901 = ☐ → R	6897 - 184 = ☐ → G	9162 - 2165 = ☐ → S
12685 - 4734 = ☐ → Y	4123 - 1697 = ☐ → U	5852 - 2147 = ☐ → E

Scratch space:

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

> The feline patrol splits the remaining clue cards equally among the team to decode the final message.

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:

22 ÷ 11 = ☐	32 ÷ 8 = ☐	110 ÷ 11 = ☐	5 ÷ 1 = ☐	3 ÷ 3 = ☐
63 ÷ 7 = ☐	36 ÷ 6 = ☐	21 ÷ 7 = ☐	80 ÷ 10 = ☐	33 ÷ 3 = ☐
7 ÷ 1 = ☐				

Step 2 - cross out the sentence with each answer:

1. The villain did a wall climb up the pantry, then waved a feather wand to disarm guards.
2. The villain relied on silent stealth in the hall, then swung away using a yarn lasso.
3. The villain did a wall climb up the pantry, then sprayed catnip spray as a distraction.
4. The villain did a wall climb up the pantry, then rang a bell collar while escaping.
5. The villain focused with laser focus on the safe, then swung away using a yarn lasso.
6. The villain did a wall climb up the pantry, then shot a catmint dart into the lock.
7. The villain relied on silent stealth in the hall, then shot a catmint dart into the lock.
8. The villain focused with laser focus on the safe, then shot a catmint dart into the lock.
9. The villain used a super pounce across the counter, then rang a bell collar while escaping.
10. The villain focused with laser focus on the safe, then sprayed catnip spray as a distraction.
11. The villain used night vision in the dark kitchen, then shot a catmint dart into the lock.
12. The villain did a wall climb up the pantry, then swung away using a yarn lasso.

TEACHER / PARENT

Answer Key

The Case of the Missing Golden Tuna

Culprit: Hazel

wall climb · yarn lasso · right pawed · orange tabby fur · distracted by fish

Trail: Start 21 → Clue 1 18 → Clue 2 13 → Clue 3 8 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE BURGLAR DOES NOT USE A FEATHER WAND"

3449 + 4640 = 8089 (T) · 1270 + 1041 = 2311 (E) · 1051 + 1013 = 2064 (N) · 5110 + 2288 = 7398 (F) · 1618 + 2822 = 4440 (S) · 2386 + 2667 = 5053 (U) · 900 + 1683 = 2583 (H) · 4362 + 2429 = 6791 (D) · 633 + 1392 = 2025 (W) · 4363 + 4666 = 9029 (G) · 3601 + 3518 = 7119 (A) · 4693 + 5136 = 9829 (O) · 5937 + 3601 = 9538 (R) · 3730 + 1689 = 5419 (L) · 3702 + 4642 = 8344 (B)

Clue 2 (Multiplication facts (1-12)): "SCRATCH MARKS PROVE THEY ARE RIGHT PAWED"

4 × 10 = 40 (S) · 3 × 6 = 18 (T) · 3 × 5 = 15 (D) · 10 × 6 = 60 (G) · 9 × 3 = 27 (E) · 5 × 2 = 10 (K) · 9 × 9 = 81 (O) · 5 × 10 = 50 (V) · 1 × 1 = 1 (R) · 7 × 11 = 77 (A) · 8 × 12 = 96 (W) · 7 × 12 = 84 (P) · 9 × 11 = 99 (I) · 4 × 5 = 20 (H) · 8 × 8 = 64 (M) · 1 × 3 = 3 (Y) · 5 × 5 = 25 (C)

Clue 3 (Rounding): "THE SNEAKY CAT WAS DISTRACTED BY FISH"

Round 66 to the nearest ten = 70 (T) · Round 3,703 to the nearest hundred = 3700 (A) · Round 288 to the nearest ten = 290 (F) · Round 8,942 to the nearest thousand = 9000 (I) · Round 4,811 to the nearest thousand = 5000 (W) · Round 30 to the nearest ten = 30 (Y) · Round 114 to the nearest ten = 110 (K) · Round 1,702 to the nearest thousand = 2000 (R) · Round 372 to the nearest ten = 370 (B) · Round 49 to the nearest ten = 50 (S) · Round 1,136 to the nearest hundred = 1100 (E) · Round 230 to the nearest ten = 230 (D) · Round 89 to the nearest ten = 90 (C) · Round 7,489 to the nearest thousand = 7000 (H) · Round 169 to the nearest ten = 170 (N)

Clue 4 (Subtraction): "INVESTIGATORS FOUND ORANGE TABBY FUR"

11215 - 2231 = 8984 (I) · 5325 - 4213 = 1112 (V) · 5889 - 2958 = 2931 (T) · 10064 - 4377 = 5687 (D) · 5326 - 478 = 4848 (F) · 6712 - 425 = 6287 (A) · 4224 - 2559 = 1665 (O) · 8948 - 3242 = 5706 (N) · 5845 - 930 = 4915 (B) · 6994 - 3901 = 3093 (R) · 6897 - 184 = 6713 (G) · 9162 - 2165 = 6997 (S) · 12685 - 4734 = 7951 (Y) · 4123 - 1697 = 2426 (U) · 5852 - 2147 = 3705 (E)

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

22 ÷ 11 = 2 · 32 ÷ 8 = 4 · 110 ÷ 11 = 10 · 5 ÷ 1 = 5 · 3 ÷ 3 = 1 · 63 ÷ 7 = 9 · 36 ÷ 6 = 6 · 21 ÷ 7 = 3 · 80 ÷ 10 = 8 · 33 ÷ 3 = 11 · 7 ÷ 1 = 7