The Purrfect Paw Heist

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

Detective: _____ **Date:** _____

Someone snuck into the sanctuary vault and snatched the Golden Tuna Trophy! Follow the clues to catch the sneaky thief.

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 Catnip Bandit is _____

Possible suspects

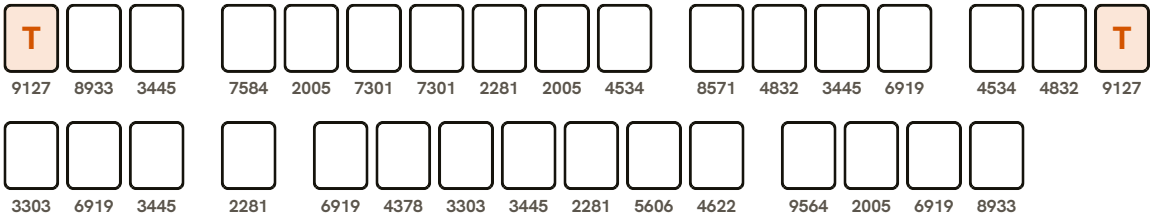
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	SPECIAL GADGET	FAVORITE TOY	PAW PREFERENCE	FUR PATTERN	SECRET FEAR
Penelope Meow	Laser Pointer	Squeaky Fish	Right Pawed	Calico Patch	Loud Vacuum
Leo Stripe	Climbing Harness	Yarn Ball	Left Pawed	Orange Tabby	Loud Vacuum
Pepper Snout	Laser Pointer	Catnip Mouse	Left Pawed	Calico Patch	Loud Vacuum
Whiskers McGee	Climbing Harness	Catnip Mouse	Right Pawed	Calico Patch	Loud Vacuum
Oliver Pounce	Feather Wand	Catnip Mouse	Left Pawed	Calico Patch	Cucumber Slice
Milo Whisker	Feather Wand	Scratching Post	Right Pawed	Calico Patch	Loud Vacuum
Nala Shadow	Night Goggles	Catnip Mouse	Left Pawed	Calico Patch	Cucumber Slice
Garfield Vance	Night Goggles	Yarn Ball	Right Pawed	Calico Patch	Fresh Tuna
Hazel Whiskers	Feather Wand	Yarn Ball	Right Pawed	Calico Patch	Cucumber Slice
Tabitha Clawson	Bell Collar	Yarn Ball	Right Pawed	Calico Patch	Fresh Tuna
Simba Roar	Laser Pointer	Yarn Ball	Right Pawed	Calico Patch	Loud Vacuum
Duchess Fuzz	Climbing Harness	Yarn Ball	Left Pawed	Sleek Black	Fresh Tuna
Ziggy Zoom	Climbing Harness	Scratching Post	Right Pawed	Sleek Black	Loud Vacuum
Peanut Paws	Climbing Harness	Squeaky Fish	Right Pawed	Sleek Black	Loud Vacuum
Cookie Crumble	Feather Wand	Crinkle Mat	Left Pawed	Calico Patch	Loud Vacuum
Felix Pawson	Climbing Harness	Crinkle Mat	Left Pawed	Orange Tabby	Fresh Tuna
Barnaby Fluff	Laser Pointer	Catnip Mouse	Right Pawed	Calico Patch	Fresh Tuna
Cleo Purr	Night Goggles	Scratching Post	Left Pawed	Sleek Black	Fresh Tuna
Tom Slipper	Bell Collar	Yarn Ball	Left Pawed	Calico Patch	Loud Vacuum
Chloe Scratch	Laser Pointer	Scratching Post	Right Pawed	Calico Patch	Loud Vacuum
Jasper Tail	Laser Pointer	Squeaky Fish	Left Pawed	Calico Patch	Cucumber Slice

CLUE 1 Addition

Detective Barnaby tallied missing treat boxes across two storage bins to reveal the first code.

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



3004 + 6123 = ☐ → T

5029 + 2555 = ☐ → V

1832 + 3774 = ☐ → K

1571 + 2963 = ☐ → N

4826 + 2475 = ☐ → L

3685 + 3234 = ☐ → S

806 + 1475 = ☐ → A

3311 + 1521 = ☐ → O

3991 + 4942 = ☐ → H

1880 + 2498 = ☐ → Q

1566 + 1879 = ☐ → E

1269 + 736 = ☐ → I

3841 + 5723 = ☐ → F

4947 + 3624 = ☐ → D

1468 + 1835 = ☐ → U

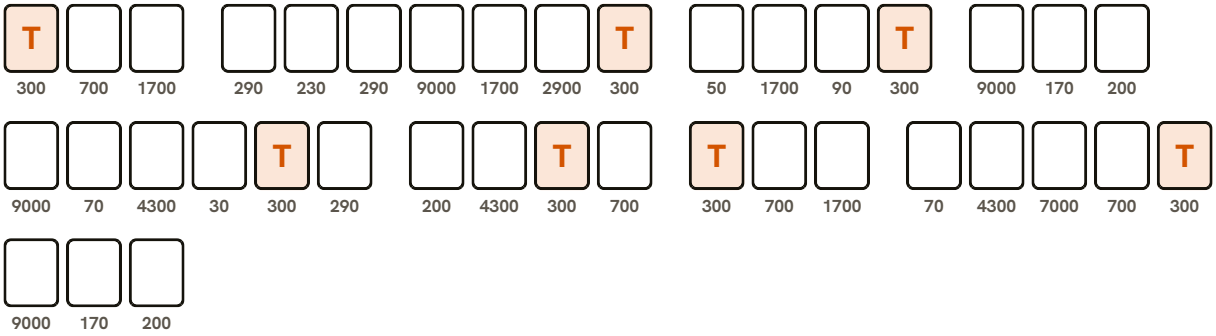
3152 + 1470 = ☐ → Y

Scratch space:

CLUE 2 Rounding

The security scanner rounded the heavy weight sensor reading to the nearest hundred pounds.

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



Round 346 to the nearest hundred ☐ → T

Round 1,655 to the nearest hundred ☐ → E

Round 28 to the nearest ten ☐ → N

Round 200 to the nearest hundred ☐ → W

Round 67 to the nearest ten ☐ → R

Round 174 to the nearest ten ☐ → A

Round 710 to the nearest hundred ☐ → H

Round 226 to the nearest ten ☐ → U

Round 2,906 to the nearest hundred ☐ → C

Round 88 to the nearest ten ☐ → F

Round 49 to the nearest ten ☐ → L

Round 9,291 to the nearest thousand ☐ → P

Round 6,695 to the nearest thousand ☐ → G

Round 4,255 to the nearest hundred ☐ → I

Round 288 to the nearest ten ☐ → S

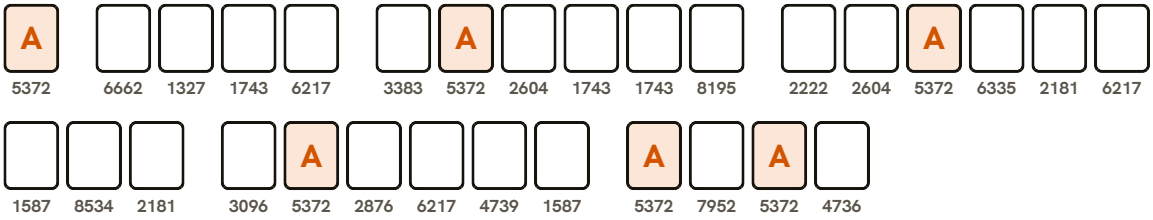
Scratch space:

CLUE 3

Subtraction

Checking the pantry logs before and after the raid showed the exact difference in missing cans.

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



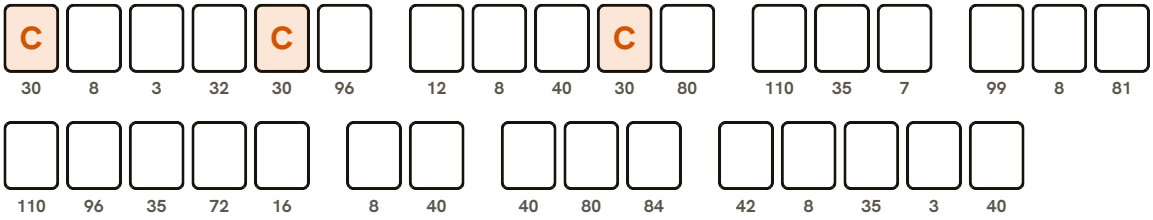
5745 - 373 = ☐ → A	7174 - 4993 = ☐ → E	10940 - 2745 = ☐ → M
5859 - 1120 = ☐ → I	3241 - 1019 = ☐ → S	2860 - 1533 = ☐ → O
9035 - 2373 = ☐ → L	6780 - 3684 = ☐ → B	8020 - 1685 = ☐ → R
9564 - 1030 = ☐ → H	7884 - 3148 = ☐ → Y	2131 - 544 = ☐ → T
3727 - 1123 = ☐ → C	5931 - 4188 = ☐ → U	5735 - 2859 = ☐ → N
8255 - 303 = ☐ → W	5008 - 1625 = ☐ → V	10812 - 4595 = ☐ → D

Scratch space:

CLUE 4 Multiplication facts (1-12)

> The thief arranged rows of catnip pouches into equal stacks inside their escape sack.

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



6 × 5 = ☐ → C

10 × 8 = ☐ → H

10 × 4 = ☐ → T

9 × 8 = ☐ → N

7 × 1 = ☐ → R

5 × 7 = ☐ → U

4 × 8 = ☐ → I

9 × 9 = ☐ → S

8 × 1 = ☐ → A

6 × 7 = ☐ → V

8 × 2 = ☐ → D

3 × 1 = ☐ → L

10 × 11 = ☐ → F

7 × 12 = ☐ → E

1 × 12 = ☐ → P

8 × 12 = ☐ → O

11 × 9 = ☐ → W

Scratch space:

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

> Dividing the remaining kibble equally among the shelter pens unlocked a secret compartment.

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:

45 ÷ 5 = ☐ | 54 ÷ 9 = ☐ | 10 ÷ 10 = ☐ | 20 ÷ 2 = ☐ | 6 ÷ 3 = ☐

60 ÷ 12 = ☐ | 120 ÷ 10 = ☐ | 64 ÷ 8 = ☐ | 24 ÷ 6 = ☐ | 49 ÷ 7 = ☐

3 ÷ 1 = ☐

Step 2 - cross out the sentence with each answer:

1. The villain strapped on a climbing harness, then tossed a catnip mouse.
2. The villain strapped on a climbing harness, then squeaked a toy fish.
3. The villain jingled a bell collar, then pounced on a crinkle mat.
4. The villain jingled a bell collar, then clawed a scratching post.
5. The villain switched on night goggles, then squeaked a toy fish.
6. The villain shined a laser pointer, then unrolled a yarn ball.
7. The villain waved a feather wand, then pounced on a crinkle mat.
8. The villain jingled a bell collar, then tossed a catnip mouse.
9. The villain waved a feather wand, then clawed a scratching post.
10. The villain shined a laser pointer, then pounced on a crinkle mat.
11. The villain shined a laser pointer, then clawed a scratching post.
12. The villain shined a laser pointer, then tossed a catnip mouse.

TEACHER / PARENT

Answer Key

The Purrfect Paw Heist

Culprit: Chloe Scratch

Laser Pointer · Scratching Post · Right Pawed · Calico Patch · Loud Vacuum

Trail: Start 21 → Clue 1 18 → Clue 2 9 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE VILLAIN DOES NOT USE A SQUEAKY FISH"

3004 + 6123 = 9127 (T) · 5029 + 2555 = 7584 (V) · 1832 + 3774 = 5606 (K) · 1571 + 2963 = 4534 (N) · 4826 + 2475 = 7301 (L) · 3685 + 3234 = 6919 (S) · 806 + 1475 = 2281 (A) · 3311 + 1521 = 4832 (O) · 3991 + 4942 = 8933 (H) · 1880 + 2498 = 4378 (Q) · 1566 + 1879 = 3445 (E) · 1269 + 736 = 2005 (I) · 3841 + 5723 = 9564 (F) · 4947 + 3624 = 8571 (D) · 1468 + 1835 = 3303 (U) · 3152 + 1470 = 4622 (Y)

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

Round 346 to the nearest hundred = 300 (T) · Round 1,655 to the nearest hundred = 1700 (E) · Round 28 to the nearest ten = 30 (N) · Round 200 to the nearest hundred = 200 (W) · Round 67 to the nearest ten = 70 (R) · Round 174 to the nearest ten = 170 (A) · Round 710 to the nearest hundred = 700 (H) · Round 226 to the nearest ten = 230 (U) · Round 2,906 to the nearest hundred = 2900 (C) · Round 88 to the nearest ten = 90 (F) · Round 49 to the nearest ten = 50 (L) · Round 9,291 to the nearest thousand = 9000 (P) · Round 6,695 to the nearest thousand = 7000 (G) · Round 4,255 to the nearest hundred = 4300 (I) · Round 288 to the nearest ten = 290 (S)

Clue 3 (Subtraction): "A LOUD VACUUM SCARED THE BANDIT AWAY"

5745 - 373 = 5372 (A) · 7174 - 4993 = 2181 (E) · 10940 - 2745 = 8195 (M) · 5859 - 1120 = 4739 (I) · 3241 - 1019 = 2222 (S) · 2860 - 1533 = 1327 (O) · 9035 - 2373 = 6662 (L) · 6780 - 3684 = 3096 (B) · 8020 - 1685 = 6335 (R) · 9564 - 1030 = 8534 (H) · 7884 - 3148 = 4736 (Y) · 2131 - 544 = 1587 (T) · 3727 - 1123 = 2604 (C) · 5931 - 4188 = 1743 (U) · 5735 - 2859 = 2876 (N) · 8255 - 303 = 7952 (W) · 5008 - 1625 = 3383 (V) · 10812 - 4595 = 6217 (D)

Clue 4 (Multiplication facts (1-12)): "CALICO PATCH FUR WAS FOUND AT THE VAULT"

6 × 5 = 30 (C) · 10 × 8 = 80 (H) · 10 × 4 = 40 (T) · 9 × 8 = 72 (N) · 7 × 1 = 7 (R) · 5 × 7 = 35 (U) · 4 × 8 = 32 (I) · 9 × 9 = 81 (S) · 8 × 1 = 8 (A) · 6 × 7 = 42 (V) · 8 × 2 = 16 (D) · 3 × 1 = 3 (L) · 10 × 11 = 110 (F) · 7 × 12 = 84 (E) · 1 × 12 = 12 (P) · 8 × 12 = 96 (O) · 11 × 9 = 99 (W)

Clue 5 (Division facts (1-12)): surviving statement is box 11 → Chloe Scratch

45 ÷ 5 = 9 · 54 ÷ 9 = 6 · 10 ÷ 10 = 1 · 20 ÷ 2 = 10 · 6 ÷ 3 = 2 · 60 ÷ 12 = 5 · 120 ÷ 10 = 12 · 64 ÷ 8 = 8 · 24 ÷ 6 = 4 · 49 ÷ 7 = 7 · 3 ÷ 1 = 3