



The Case of the Missing Catnip Scone

Grade 3 math · Multiplication, Rounding, Addition, Subtraction, Division · Reading level grades 1-2

Detective: _____ Date: _____

Someone swiped the golden catnip scone right off the cooling rack! Detective Pawlock needs your math skills to read the clue notes and catch the sneaky cat.

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 Catnip Thief is _____

Possible suspects

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

NAME	TRICK	MOVE	PAW PREFERENCE	FUR COLOR	FEAR
Tiger	catnip bomb	loud purr	right pawed	black fur	loud bell
Simba	fish toss	loud purr	right pawed	black fur	vacuum cleaner
Gizmo	feather wand	pawsome pounce	left pawed	black fur	splash of water
Bella	feather wand	midnight zoomies	left pawed	calico fur	vacuum cleaner
Cleo	catnip bomb	high jump	right pawed	black fur	loud bell
Mitten	yarn tangle	stealth crawl	left pawed	black fur	loud bell
Socks	laser pointer	pawsome pounce	right pawed	orange fur	loud bell
Felix	feather wand	high jump	right pawed	orange fur	loud bell
Chloe	laser pointer	high jump	right pawed	orange fur	vacuum cleaner
Whiskers	fish toss	pawsome pounce	right pawed	black fur	splash of water
Garfield	fish toss	midnight zoomies	right pawed	orange fur	loud bell
Oreo	yarn tangle	high jump	left pawed	orange fur	loud bell
Jasper	fish toss	loud purr	left pawed	calico fur	vacuum cleaner
Oliver	yarn tangle	high jump	right pawed	orange fur	loud bell
Smokey	laser pointer	midnight zoomies	right pawed	black fur	vacuum cleaner
Sylvester	yarn tangle	pawsome pounce	right pawed	orange fur	vacuum cleaner
Luna	feather wand	high jump	left pawed	black fur	vacuum cleaner
Shadow	catnip bomb	pawsome pounce	right pawed	black fur	splash of water
Peanut	yarn tangle	loud purr	right pawed	orange fur	loud bell
Boots	laser pointer	high jump	right pawed	black fur	vacuum cleaner
Ziggy	yarn tangle	loud purr	right pawed	black fur	vacuum cleaner

CLUE 1

Multiplication facts (1-12)

Detective Pawlock counts rows of cat treats on the bakery shelf to find a secret note.

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

T																T
35	18	11	56	48	110	110	20	48	32	1	108	11	144	32	108	35

										T								
18	20	56	11	45	48	1	32	48	50	18	35	33	108	108	45	48	11	144

$7 \times 5 = \square \rightarrow \text{T}$

$11 \times 1 = \square \rightarrow \text{E}$

$8 \times 4 = \square \rightarrow \text{N}$

$5 \times 9 = \square \rightarrow \text{M}$

$5 \times 10 = \square \rightarrow \text{G}$

$2 \times 9 = \square \rightarrow \text{H}$

$9 \times 12 = \square \rightarrow \text{O}$

$4 \times 12 = \square \rightarrow \text{I}$

$8 \times 7 = \square \rightarrow \text{V}$

$11 \times 3 = \square \rightarrow \text{Z}$

$11 \times 10 = \square \rightarrow \text{L}$

$1 \times 1 = \square \rightarrow \text{D}$

$5 \times 4 = \square \rightarrow \text{A}$

$12 \times 12 = \square \rightarrow \text{S}$

Scratch space:

CLUE 2

Rounding

The digital oven timer rounds the break in time to the nearest ten minutes.

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

T			T									T				
4000	700	900	4000	700	60	900	70	400	8000	900	40	4000	700	900	60	20
				T				T								T
20	60	3000	700	4000	300	30	500	4000	2000	8000	500	60	300	900	60	4000

Round 3,983 to the nearest thousand → **T**

Round 671 to the nearest hundred → **H**

Round 325 to the nearest hundred → **P**

Round 70 to the nearest ten → **F**

Round 40 to the nearest ten → **D**

Round 385 to the nearest hundred → **U**

Round 26 to the nearest ten → **A**

Round 59 to the nearest ten → **I**

Round 21 to the nearest ten → **R**

Round 8,401 to the nearest thousand → **S**

Round 900 to the nearest hundred → **E**

Round 1,907 to the nearest thousand → **O**

Round 523 to the nearest hundred → **W**

Round 2,502 to the nearest thousand → **G**

Scratch space:

CLUE 3

Addition

Pawlock adds up all the spilled fish crackers found on the kitchen floor.

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

A											A						
787	618	880	807	746	609	373	618	618	903	787	746	373	957	561	373		
									A		A						
957	561	361	373	607	245	807	267	787	409	787	430						

$484 + 303 = \square \rightarrow \text{A}$

$369 + 377 = \square \rightarrow \text{D}$

$407 + 496 = \square \rightarrow \text{M}$

$140 + 290 = \square \rightarrow \text{Y}$

$228 + 133 = \square \rightarrow \text{I}$

$377 + 232 = \square \rightarrow \text{B}$

$479 + 478 = \square \rightarrow \text{T}$

$126 + 119 = \square \rightarrow \text{R}$

$387 + 231 = \square \rightarrow \text{L}$

$129 + 138 = \square \rightarrow \text{N}$

$262 + 299 = \square \rightarrow \text{H}$

$286 + 321 = \square \rightarrow \text{F}$

$301 + 506 = \square \rightarrow \text{U}$

$169 + 204 = \square \rightarrow \text{E}$

$548 + 332 = \square \rightarrow \text{O}$

$161 + 248 = \square \rightarrow \text{W}$

Scratch space:

CLUE 4

Subtraction

Pawlock takes away the eaten kibble pieces to see how much food is missing.

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

O																	
729	376	847	527	634	267	811	831	376	297	847	306	811	729	831	527	303	
527	267	847	376	508	147	267	833	376	267	847	303	833	847	306	639	267	508

$838 - 109 = \square \rightarrow \text{O}$

$754 - 378 = \square \rightarrow \text{R}$

$986 - 347 = \square \rightarrow \text{K}$

$664 - 367 = \square \rightarrow \text{W}$

$513 - 246 = \square \rightarrow \text{E}$

$378 - 231 = \square \rightarrow \text{H}$

$1239 - 392 = \square \rightarrow \text{A}$

$1205 - 374 = \square \rightarrow \text{U}$

$568 - 60 = \square \rightarrow \text{T}$

$800 - 166 = \square \rightarrow \text{G}$

$633 - 330 = \square \rightarrow \text{D}$

$911 - 100 = \square \rightarrow \text{F}$

$1145 - 312 = \square \rightarrow \text{B}$

$386 - 80 = \square \rightarrow \text{S}$

$542 - 15 = \square \rightarrow \text{N}$

Scratch space:

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

Pawlock splits the decoded clues evenly among the detective kittens.

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:

$132 \div 12 = \boxed{}$

$45 \div 5 = \boxed{}$

$15 \div 5 = \boxed{}$

$72 \div 9 = \boxed{}$

$40 \div 4 = \boxed{}$

$60 \div 10 = \boxed{}$

$84 \div 12 = \boxed{}$

$35 \div 7 = \boxed{}$

$3 \div 3 = \boxed{}$

$4 \div 2 = \boxed{}$

$32 \div 8 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain waved a feather wand, then did midnight zoomies.
2. The villain waved a feather wand, then crawled in the shadows.
3. The villain shined a laser pointer, then pounced off the counter.
4. The villain shined a laser pointer, then purred very loudly.
5. The villain tossed a slimy fish, then pounced off the counter.
6. The villain threw a catnip bomb, then crawled in the shadows.
7. The villain threw a catnip bomb, then did midnight zoomies.
8. The villain shined a laser pointer, then did midnight zoomies.
9. The villain waved a feather wand, then jumped over the fence.
10. The villain wrapped yarn everywhere, then pounced off the counter.
11. The villain wrapped yarn everywhere, then purred very loudly.
12. The villain wrapped yarn everywhere, then jumped over the fence.

Answer Key

The Case of the Missing Catnip Scone

Culprit: Oliver

yarn tangle · high jump · right pawed · orange fur · loud bell

Trail: Start 21 → Clue 1 18 → Clue 2 13 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE VILLAIN DOES NOT HAVE MIDNIGHT ZOOMIES"

$7 \times 5 = 35$ (T) · $11 \times 1 = 11$ (E) · $8 \times 4 = 32$ (N) · $5 \times 9 = 45$ (M) · $5 \times 10 = 50$ (G) · $2 \times 9 = 18$ (H) · $9 \times 12 = 108$ (O) · $4 \times 12 = 48$ (I) · $8 \times 7 = 56$ (V) · $11 \times 3 = 33$ (Z) · $11 \times 10 = 110$ (L) · $1 \times 1 = 1$ (D) · $5 \times 4 = 20$ (A) · $12 \times 12 = 144$ (S)

Clue 2 (Rounding): "THE THIEF USED THEIR RIGHT PAW TO SWIPE IT"

Round 3,983 to the nearest thousand = 4000 (T) · Round 671 to the nearest hundred = 700 (H) · Round 325 to the nearest hundred = 300 (P) · Round 70 to the nearest ten = 70 (F) · Round 40 to the nearest ten = 40 (D) · Round 385 to the nearest hundred = 400 (U) · Round 26 to the nearest ten = 30 (A) · Round 59 to the nearest ten = 60 (I) · Round 21 to the nearest ten = 20 (R) · Round 8,401 to the nearest thousand = 8000 (S) · Round 900 to the nearest hundred = 900 (E) · Round 1,907 to the nearest thousand = 2000 (O) · Round 523 to the nearest hundred = 500 (W) · Round 2,502 to the nearest thousand = 3000 (G)

Clue 3 (Addition): "A LOUD BELL MADE THE THIEF RUN AWAY"

$484 + 303 = 787$ (A) · $369 + 377 = 746$ (D) · $407 + 496 = 903$ (M) · $140 + 290 = 430$ (Y) · $228 + 133 = 361$ (I) · $377 + 232 = 609$ (B) · $479 + 478 = 957$ (T) · $126 + 119 = 245$ (R) · $387 + 231 = 618$ (L) · $129 + 138 = 267$ (N) · $262 + 299 = 561$ (H) · $286 + 321 = 607$ (F) · $301 + 506 = 807$ (U) · $169 + 204 = 373$ (E) · $548 + 332 = 880$ (O) · $161 + 248 = 409$ (W)

Clue 4 (Subtraction): "ORANGE FUR WAS FOUND NEAR THE BREAD BASKET"

$838 - 109 = 729$ (O) · $754 - 378 = 376$ (R) · $986 - 347 = 639$ (K) · $664 - 367 = 297$ (W) · $513 - 246 = 267$ (E) · $378 - 231 = 147$ (H) · $1239 - 392 = 847$ (A) · $1205 - 374 = 831$ (U) · $568 - 60 = 508$ (T) · $800 - 166 = 634$ (G) · $633 - 330 = 303$ (D) · $911 - 100 = 811$ (F) · $1145 - 312 = 833$ (B) · $386 - 80 = 306$ (S) · $542 - 15 = 527$ (N)

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

$132 \div 12 = 11$ · $45 \div 5 = 9$ · $15 \div 5 = 3$ · $72 \div 9 = 8$ · $40 \div 4 = 10$ · $60 \div 10 = 6$ · $84 \div 12 = 7$ · $35 \div 7 = 5$ · $3 \div 3 = 1$ · $4 \div 2 = 2$ · $32 \div 8 = 4$