



The Great Catnip Caper

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

Detective: _____ Date: _____

Oh no! The Golden Fish Trophy is missing from the kitty clubhouse! A sneaky cat took it. Detective Paw needs your help to find the right kitty and get the trophy back!

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 Catnap Caperer is _____

Possible suspects

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

NAME	SUPER SKILL	FAVORITE TOY	PAW SIGNATURE	FUR COAT	BIG FEAR
Tiger	high balance	yarn roller	left pawed	black fur	squeaky mouse
Socks	silent step	laser pointer	left pawed	orange stripes	squeaky mouse
Oliver	high balance	laser pointer	left pawed	black fur	vacuum cleaner
Whiskers	speed dash	feather wand	right pawed	black fur	vacuum cleaner
Sylvester	high balance	yarn roller	left pawed	calico patches	vacuum cleaner
Bella	wall climb	feather wand	right pawed	orange stripes	vacuum cleaner
Garfield	silent step	catnip mist	right pawed	black fur	squeaky mouse
Tom	super leap	box trap	right pawed	black fur	vacuum cleaner
Kitty	silent step	feather wand	left pawed	calico patches	crinkly paper
Shadow	wall climb	catnip mist	right pawed	black fur	vacuum cleaner
Nala	super leap	catnip mist	right pawed	black fur	vacuum cleaner
Lucky	speed dash	yarn roller	right pawed	calico patches	vacuum cleaner
Mittens	high balance	box trap	right pawed	orange stripes	vacuum cleaner
Rusty	silent step	box trap	right pawed	black fur	squeaky mouse
Simba	wall climb	yarn roller	left pawed	black fur	vacuum cleaner
Cleo	high balance	yarn roller	right pawed	calico patches	squeaky mouse
Milo	wall climb	laser pointer	left pawed	orange stripes	crinkly paper
Gizmo	super leap	feather wand	left pawed	orange stripes	vacuum cleaner
Felix	super leap	laser pointer	left pawed	black fur	crinkly paper
Boots	wall climb	catnip mist	right pawed	calico patches	squeaky mouse
Chloe	high balance	yarn roller	right pawed	black fur	vacuum cleaner

CLUE 1 Addition

Detective Paw counts the toy mice left on the grass. He adds the white mice to the grey mice to find a total. This math reveals our first clue!

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

T			T											T			
266	455	558	266	455	718	558	503	260	402	558	329	648	402	266	273	329	558

T												
266	455	558	898	834	797	648	797	402	752	752	558	797

$151 + 115 = \square \rightarrow$ T	$378 + 419 = \square \rightarrow$ R	$308 + 444 = \square \rightarrow$ L
$130 + 130 = \square \rightarrow$ D	$350 + 298 = \square \rightarrow$ N	$531 + 303 = \square \rightarrow$ A
$139 + 190 = \square \rightarrow$ S	$242 + 316 = \square \rightarrow$ E	$176 + 97 = \square \rightarrow$ U
$503 + 395 = \square \rightarrow$ Y	$401 + 317 = \square \rightarrow$ I	$186 + 317 = \square \rightarrow$ F
$224 + 231 = \square \rightarrow$ H	$127 + 275 = \square \rightarrow$ O	

Scratch space:

CLUE 2 Subtraction

The park chef had a pile of tasty fish treats. A sneaky cat took some away. Detective Paw subtracts the stolen treats to get our next clue.

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

T																
264	435	734	444	631	799	435	264	738	805	648	695	648	631	738	734	331
T																
264	435	734	695	435	631	645	565	264	444	712	738	435	565			

$495 - 231 = \square \rightarrow$ T	$766 - 331 = \square \rightarrow$ H	$792 - 161 = \square \rightarrow$ I
$891 - 326 = \square \rightarrow$ Y	$1104 - 305 = \square \rightarrow$ G	$794 - 146 = \square \rightarrow$ W
$1053 - 248 = \square \rightarrow$ A	$887 - 242 = \square \rightarrow$ N	$950 - 216 = \square \rightarrow$ E
$823 - 111 = \square \rightarrow$ O	$1082 - 387 = \square \rightarrow$ S	$825 - 381 = \square \rightarrow$ R
$339 - 8 = \square \rightarrow$ D	$851 - 113 = \square \rightarrow$ P	

Scratch space:

CLUE 3 Place value

A secret code is scratched on the climbing tree. The tens place and the ones place show the secret code. Let us read the digits to find the third clue!

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

T																	
90	70	600	80	40	9000	60	7000	50	300	9000	9000	4000	10	40	50	10	
						T											
500	300	50	10	600	60	90	70	600	4000	50	100	50	400				

What is the value of the 9 in 293? → **T**

What is the value of the 5 in 514? → **S**

What is the value of the 4 in 8,145? → **O**

What is the value of the 8 in 985? → **L**

What is the value of the 1 in 410? → **R**

What is the value of the 4 in 6,473? → **Y**

What is the value of the 4 in 34,323? → **M**

What is the value of the 7 in 7,231? → **V**

What is the value of the 6 in 2,645? → **E**

What is the value of the 3 in 2,370? → **C**

What is the value of the 6 in 363? → **D**

What is the value of the 7 in 278? → **H**

What is the value of the 9 in 9,268? → **U**

What is the value of the 5 in 957? → **A**

What is the value of the 1 in 148? → **W**

Scratch space:

CLUE 4 Rounding

Detective Paw checks the cat food scale. The scale is dusty and only shows weights rounded to the nearest ten. This rounded number helps us find Clue Four!

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

S							S	S										
90	20	8000	5000	40	9000	20	90	90	400	7000	9000	500	900	800	300	50	200	

		S											
80	500	90	9000	5000	300	600	7000	5000	6000	2000	3000	60	

Round 89 to the nearest ten → **S**

Round 78 to the nearest ten → **W**

Round 3,478 to the nearest thousand → **N**

Round 433 to the nearest hundred → **Y**

Round 8,941 to the nearest thousand → **L**

Round 5,793 to the nearest thousand → **H**

Round 478 to the nearest hundred → **A**

Round 24 to the nearest ten → **O**

Round 890 to the nearest hundred → **C**

Round 63 to the nearest ten → **D**

Round 7,249 to the nearest thousand → **B**

Round 278 to the nearest hundred → **F**

Round 54 to the nearest ten → **U**

Round 5,187 to the nearest thousand → **E**

Round 644 to the nearest hundred → **T**

Round 1,966 to the nearest thousand → **I**

Round 7,505 to the nearest thousand → **M**

Round 774 to the nearest hundred → **K**

Round 198 to the nearest hundred → **R**

Round 43 to the nearest ten → **G**

Scratch space:

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

Four hungry kittens want to share a bowl of milk treats. When we divide the treats equally, the leftover number gives us our final clue!

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:

$15 \div 3 = \boxed{}$

$72 \div 9 = \boxed{}$

$54 \div 9 = \boxed{}$

$24 \div 12 = \boxed{}$

$70 \div 10 = \boxed{}$

$90 \div 9 = \boxed{}$

$24 \div 8 = \boxed{}$

$8 \div 2 = \boxed{}$

$54 \div 6 = \boxed{}$

$88 \div 8 = \boxed{}$

$10 \div 10 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain leaps over the tall park fence, then rolls a giant ball of yarn.
2. The villain creeps through the soft grass, then waves a colorful feather wand.
3. The villain dashes past the sleeping dogs, then sets up an empty cardboard box.
4. The villain walks across the skinny wire, then rolls a giant ball of yarn.
5. The villain leaps over the tall park fence, then sets up an empty cardboard box.
6. The villain scales the brick garden wall, then sprays a puff of sweet catnip.
7. The villain creeps through the soft grass, then flashes a bright red laser.
8. The villain leaps over the tall park fence, then sprays a puff of sweet catnip.
9. The villain scales the brick garden wall, then sets up an empty cardboard box.
10. The villain creeps through the soft grass, then rolls a giant ball of yarn.
11. The villain scales the brick garden wall, then rolls a giant ball of yarn.
12. The villain dashes past the sleeping dogs, then waves a colorful feather wand.

Answer Key

The Great Catnip Caper

Culprit: Whiskers

speed dash · feather wand · right pawed · black fur · vacuum cleaner

Trail: Start 21 → Clue 1 15 → Clue 2 9 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE THIEF DOES NOT USE THE YARN ROLLER"

$151 + 115 = 266$ (T) · $378 + 419 = 797$ (R) · $308 + 444 = 752$ (L) · $130 + 130 = 260$ (D) · $350 + 298 = 648$ (N) · $531 + 303 = 834$ (A) · $139 + 190 = 329$ (S) · $242 + 316 = 558$ (E) · $176 + 97 = 273$ (U) · $503 + 395 = 898$ (Y) · $401 + 317 = 718$ (I) · $186 + 317 = 503$ (F) · $224 + 231 = 455$ (H) · $127 + 275 = 402$ (O)

Clue 2 (Subtraction): "THE RIGHT PAW SWIPE THE SHINY TROPHY"

$495 - 231 = 264$ (T) · $766 - 331 = 435$ (H) · $792 - 161 = 631$ (I) · $891 - 326 = 565$ (Y) · $1104 - 305 = 799$ (G) · $794 - 146 = 648$ (W) · $1053 - 248 = 805$ (A) · $887 - 242 = 645$ (N) · $950 - 216 = 734$ (E) · $823 - 111 = 712$ (O) · $1082 - 387 = 695$ (S) · $825 - 381 = 444$ (R) · $339 - 8 = 331$ (D) · $851 - 113 = 738$ (P)

Clue 3 (Place value): "THE LOUD VACUUM ROAR SCARED THEM AWAY"

What is the value of the 9 in 293 ? = 90 (T) · What is the value of the 5 in 514 ? = 500 (S) · What is the value of the 4 in $8,145$? = 40 (O) · What is the value of the 8 in 985 ? = 80 (L) · What is the value of the 1 in 410 ? = 10 (R) · What is the value of the 4 in $6,473$? = 400 (Y) · What is the value of the 4 in $34,323$? = 4000 (M) · What is the value of the 7 in $7,231$? = 7000 (V) · What is the value of the 6 in $2,645$? = 600 (E) · What is the value of the 3 in $2,370$? = 300 (C) · What is the value of the 6 in 363 ? = 60 (D) · What is the value of the 7 in 278 ? = 70 (H) · What is the value of the 9 in $9,268$? = 9000 (U) · What is the value of the 5 in 957 ? = 50 (A) · What is the value of the 1 in 148 ? = 100 (W)

Clue 4 (Rounding): "SOME GLOSSY BLACK FUR WAS LEFT BEHIND"

Round 89 to the nearest ten = 90 (S) · Round 78 to the nearest ten = 80 (W) · Round 3,478 to the nearest thousand = 3000 (N) · Round 433 to the nearest hundred = 400 (Y) · Round 8,941 to the nearest thousand = 9000 (L) · Round 5,793 to the nearest thousand = 6000 (H) · Round 478 to the nearest hundred = 500 (A) · Round 24 to the nearest ten = 20 (O) · Round 890 to the nearest hundred = 900 (C) · Round 63 to the nearest ten = 60 (D) · Round 7,249 to the nearest thousand = 7000 (B) · Round 278 to the nearest hundred = 300 (F) · Round 54 to the nearest ten = 50 (U) · Round 5,187 to the nearest thousand = 5000 (E) · Round 644 to the nearest hundred = 600 (T) · Round 1,966 to the nearest thousand = 2000 (I) · Round 7,505 to the nearest thousand = 8000 (M) · Round 774 to the nearest hundred = 800 (K) · Round 198 to the nearest hundred = 200 (R) · Round 43 to the nearest ten = 40 (G)

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

$15 \div 3 = 5$ · $72 \div 9 = 8$ · $54 \div 9 = 6$ · $24 \div 12 = 2$ · $70 \div 10 = 7$ · $90 \div 9 = 10$ · $24 \div 8 = 3$ · $8 \div 2 = 4$ · $54 \div 6 = 9$ · $88 \div 8 = 11$ · $10 \div 10 = 1$