

The Great Catnip Caper

Grade 1 math · Addition, Subtraction, Skip counting, Place value, Missing addends · Reading level grades 1-2

Detective: _____ Date: _____

The golden catnip toy has vanished from the kitty cafe! All the cats are meowing in a panic. We must use our detective skills to find the Sneaky Cat who took it.

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 Sneaky Cat 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	LUCKY ACCESSORY	DOMINANT PAW	FUR PATTERN	BEST DISTRACTION
Loki	Night Vision	Pink Collar	Right-pawed	Plain Fur	Catnip Scent
Mittens	Yarn Spin	Pink Collar	Left-pawed	Stripes	Crinkle Ball
Coco	Quiet Meow	Red Booties	Right-pawed	Plain Fur	Crinkle Ball
Socks	Quiet Meow	Blue Bowtie	Right-pawed	Plain Fur	Crinkle Ball
Tom	Super Jump	Blue Bowtie	Left-pawed	Stripes	Feather Toy
Nala	Super Jump	Silver Tag	Right-pawed	Plain Fur	Feather Toy
Bella	Laser Dash	Gold Bell	Left-pawed	Plain Fur	Feather Toy
Whiskers	Super Jump	Silver Tag	Right-pawed	Spots	Catnip Scent
Felix	Night Vision	Pink Collar	Left-pawed	Stripes	Catnip Scent
Shadow	Yarn Spin	Gold Bell	Right-pawed	Spots	Feather Toy
Sylvester	Laser Dash	Gold Bell	Right-pawed	Plain Fur	Crinkle Ball
Garfield	Quiet Meow	Pink Collar	Right-pawed	Plain Fur	Crinkle Ball
Simba	Quiet Meow	Gold Bell	Right-pawed	Stripes	Feather Toy
Milo	Quiet Meow	Silver Tag	Right-pawed	Plain Fur	Feather Toy
Boots	Yarn Spin	Red Booties	Left-pawed	Plain Fur	Crinkle Ball
Daisy	Yarn Spin	Red Booties	Right-pawed	Plain Fur	Crinkle Ball
Leo	Quiet Meow	Pink Collar	Right-pawed	Spots	Crinkle Ball
Luna	Laser Dash	Blue Bowtie	Left-pawed	Stripes	Catnip Scent
Oliver	Super Jump	Blue Bowtie	Left-pawed	Plain Fur	Crinkle Ball
Chloe	Night Vision	Red Booties	Left-pawed	Plain Fur	Crinkle Ball
Fluffy	Super Jump	Silver Tag	Right-pawed	Spots	Crinkle Ball

CLUE 1 Addition

We need to count the milk cartons. We found some in the kitchen and some in the fridge. Add them to get the total and find our first clue.

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

T 11 15 8	17 9 11	4 6 8 13	T 3 6 11	5 8 9 19	9
12 6 18 4	10 8 18 18				

$3 + 8 = \square \rightarrow \boxed{\text{T}}$	$6 + 3 = \square \rightarrow \boxed{\text{A}}$	$3 + 7 = \square \rightarrow \boxed{\text{B}}$	$2 + 1 = \square \rightarrow \boxed{\text{N}}$
$3 + 1 = \square \rightarrow \boxed{\text{D}}$	$3 + 2 = \square \rightarrow \boxed{\text{W}}$	$8 + 7 = \square \rightarrow \boxed{\text{H}}$	$7 + 10 = \square \rightarrow \boxed{\text{C}}$
$9 + 4 = \square \rightarrow \boxed{\text{S}}$	$7 + 5 = \square \rightarrow \boxed{\text{G}}$	$1 + 5 = \square \rightarrow \boxed{\text{O}}$	$8 + 10 = \square \rightarrow \boxed{\text{L}}$
$7 + 12 = \square \rightarrow \boxed{\text{R}}$	$6 + 2 = \square \rightarrow \boxed{\text{E}}$		

Scratch space:

CLUE 2 Subtraction

We had a bag of fish treats, but the thief ate some! Subtract the eaten treats to see how many are left and reveal the next clue.

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

T					T														
7	18	4	9	14	7	16	13	10	19	4	8	13	10	7	18			14	
					T														
3	10	12	18	7		19	14	13											

15 - 8 = → T	9 - 1 = → D	19 - 1 = → H	20 - 1 = → P
19 - 5 = → A	12 - 2 = → I	12 - 9 = → R	
19 - 3 = → S	13 - 9 = → E	17 - 4 = → W	
15 - 6 = → C	17 - 5 = → G		

Scratch space:

CLUE 3 Skip counting

Look at the paw prints in the flour! Count them by twos to follow the path and get a clue.

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

T																			
50	25	35	24	140	26	70	60	110	35	16	90	110	110	45	10	26	110	35	6

T			
50	25	35	28

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

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, __, 150, 160 → **R**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, __, 120, 130 → **L**

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

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

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

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

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, __, 70, 80 → **K**

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

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

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, __, 30, 32 → **M**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, __, 28, 30 → **I**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, __, 26, 28 → **C**

Skip-count by 2s. Fill the blank: 2, 4, __, 8, 10 → **D**

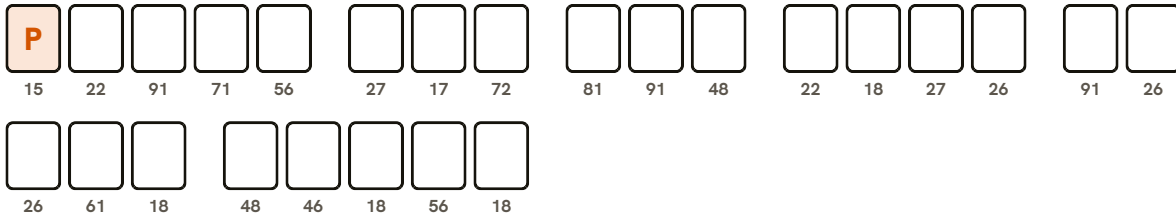
Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, __, 40, 45 → **E**

Scratch space:

CLUE 4 Place value

We sorted our shiny toy bells into boxes of ten and some single ones. Group them to find the clue hidden in the box.

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



What number has 1 ten and 5 ones?

→

P

What number has 7 tens and 2 ones?

→

R

What number has 2 tens and 6 ones?

→

T

What number has 4 tens and 6 ones?

→

C

What number has 2 tens and 7 ones?

→

F

What number has 4 tens and 8 ones?

→

S

What number has 6 tens and 1 one?

→

H

What number has 5 tens and 6 ones?

→

N

What number has 1 ten and 8 ones?

→

E

What number has 8 tens and 1 one?

→

W

What number has 2 tens and 2 ones?

→

L

What number has 9 tens and 1 one?

→

A

What number has 7 tens and 1 one?

→

I

What number has 1 ten and 7 ones?

→

U

Scratch space:

CLUE 5**Missing addends - the last clue**

We need nine toy mice for the shelf, but we only see six. Find the missing number to unlock the 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:

$2 + \underline{\quad} = 4$

$1 + \underline{\quad} = 12$

$6 + \underline{\quad} = 7$

$9 + \underline{\quad} = 16$

$10 + \underline{\quad} = 14$

$2 + \underline{\quad} = 11$

$4 + \underline{\quad} = 12$

$2 + \underline{\quad} = 12$

$6 + \underline{\quad} = 18$

$9 + \underline{\quad} = 14$

$10 + \underline{\quad} = 13$

Step 2 - cross out the sentence with each answer:

1. The villain made a totally silent meow, then juggled their pink collar.
2. The villain spun a huge ball of yarn, then kicked with their red booties.
3. The villain spun a huge ball of yarn, then rang their shiny gold bell.
4. The villain used glowing eyes to see in the dark, then straightened their blue bowtie.
5. The villain dashed after a bright red laser, then juggled their pink collar.
6. The villain made a totally silent meow, then kicked with their red booties.
7. The villain used glowing eyes to see in the dark, then juggled their pink collar.
8. The villain spun a huge ball of yarn, then tapped their small silver tag.
9. The villain used glowing eyes to see in the dark, then tapped their small silver tag.
10. The villain dashed after a bright red laser, then rang their shiny gold bell.
11. The villain made a totally silent meow, then straightened their blue bowtie.
12. The villain dashed after a bright red laser, then kicked with their red booties.

Answer Key

The Great Catnip Caper

Culprit: Coco

Quiet Meow · Red Booties · Right-pawed · Plain Fur · Crinkle Ball

Trail: Start 21 → Clue 1 17 → Clue 2 10 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE CAT DOES NOT WEAR A GOLD BELL"

$3 + 8 = 11$ (T) · $6 + 3 = 9$ (A) · $3 + 7 = 10$ (B) · $2 + 1 = 3$ (N) · $3 + 1 = 4$ (D) · $3 + 2 = 5$ (W) · $8 + 7 = 15$ (H) · $7 + 10 = 17$ (C) · $9 + 4 = 13$ (S) · $7 + 5 = 12$ (G) · $1 + 5 = 6$ (O) · $8 + 10 = 18$ (L) · $7 + 12 = 19$ (R) · $6 + 2 = 8$ (E)

Clue 2 (Subtraction): "THE CAT SWIPED WITH A RIGHT PAW"

$15 - 8 = 7$ (T) · $9 - 1 = 8$ (D) · $19 - 1 = 18$ (H) · $20 - 1 = 19$ (P) · $19 - 5 = 14$ (A) · $12 - 2 = 10$ (I) · $12 - 9 = 3$ (R) · $19 - 3 = 16$ (S) · $13 - 9 = 4$ (E) · $17 - 4 = 13$ (W) · $15 - 6 = 9$ (C) · $17 - 5 = 12$ (G)

Clue 3 (Skip counting): "THE CRINKLE BALL FOILED THEM"

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, __, 55, 60 = 50 (T) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, __, 120, 130 = 110 (L) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, __, 80, 90 = 70 (N) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 = 45 (F) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, __, 18, 20 = 16 (B) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, __, 100, 110 = 90 (A) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, __, 70, 80 = 60 (K) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, __, 30, 35 = 25 (H) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, __, 12, 14 = 10 (O) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, __, 30, 32 = 28 (M) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, __, 26, 28 = 24 (C) · Skip-count by 2s. Fill the blank: 2, 4, __, 8, 10 = 6 (D) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, __, 40, 45 = 35 (E)

Clue 4 (Place value): "PLAIN FUR WAS LEFT AT THE SCENE"

What number has 1 ten and 5 ones? = 15 (P) · What number has 7 tens and 2 ones? = 72 (R) · What number has 2 tens and 6 ones? = 26 (T) · What number has 4 tens and 6 ones? = 46 (C) · What number has 2 tens and 7 ones? = 27 (F) · What number has 4 tens and 8 ones? = 48 (S) · What number has 6 tens and 1 one? = 61 (H) · What number has 5 tens and 6 ones? = 56 (N) · What number has 1 ten and 8 ones? = 18 (E) · What number has 8 tens and 1 one? = 81 (W) · What number has 2 tens and 2 ones? = 22 (L) · What number has 9 tens and 1 one? = 91 (A) · What number has 7 tens and 1 one? = 71 (I) · What number has 1 ten and 7 ones? = 17 (U)

Clue 5 (Missing addends): surviving statement is box 6 → Coco

$2 + \underline{\quad} = 4 = 2$ · $1 + \underline{\quad} = 12 = 11$ · $6 + \underline{\quad} = 7 = 1$ · $9 + \underline{\quad} = 16 = 7$ · $10 + \underline{\quad} = 14 = 4$ · $2 + \underline{\quad} = 11 = 9$ · $4 + \underline{\quad} = 12 = 8$ · $2 + \underline{\quad} = 12 = 10$ · $6 + \underline{\quad} = 18 = 12$ · $9 + \underline{\quad} = 14 = 5$ · $10 + \underline{\quad} = 13 = 3$