



The Case of the Missing Galaxy Tuna

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

Detective: _____ Date: _____

Someone sneaked onto the Cosmic Cat Space Station and took all the galaxy tuna! Solve the clues to catch the sneaky space bandit.

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 Space Bandit is _____

Possible suspects

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

NAME	GADGET	SUIT UPGRADE	GLOVE HABIT	FUR COLOR	DISTRACTION
Pilot Jasper	Starlight Scope	Moon Shoes	Taps Right Glove	Silver Fur	Catnip Toy
Agent Nala	Starlight Scope	Moon Shoes	Taps Left Glove	Orange Fur	Yarn Ball
Officer Socks	Jetpack Pack	Cosmic Cloak	Taps Left Glove	Silver Fur	Yarn Ball
Pilot Penny	Starlight Scope	Solar Wings	Taps Left Glove	Orange Fur	Squeaky Mouse
Captain Whiskers	Laser Pointer	Moon Shoes	Taps Left Glove	Silver Fur	Yarn Ball
Captain Peanut	Astro Helmet	Moon Shoes	Taps Left Glove	Orange Fur	Catnip Toy
Officer Smokey	Laser Pointer	Cosmic Cloak	Taps Left Glove	Silver Fur	Squeaky Mouse
Pilot Luna	Astro Helmet	Turbo Thrusters	Taps Left Glove	Orange Fur	Squeaky Mouse
Scout Simba	Jetpack Pack	Solar Wings	Taps Left Glove	Orange Fur	Yarn Ball
Rover Leo	Starlight Scope	Comet Shield	Taps Right Glove	Silver Fur	Squeaky Mouse
Commander Ziggy	Astro Helmet	Turbo Thrusters	Taps Left Glove	Orange Fur	Catnip Toy
Rover Tom	Gravity Boots	Cosmic Cloak	Taps Right Glove	Silver Fur	Yarn Ball
Officer Cleo	Laser Pointer	Moon Shoes	Taps Left Glove	Orange Fur	Yarn Ball
Scout Barnaby	Astro Helmet	Moon Shoes	Taps Left Glove	Silver Fur	Yarn Ball
Agent Paws	Laser Pointer	Comet Shield	Taps Left Glove	Silver Fur	Yarn Ball
Captain Milo	Astro Helmet	Moon Shoes	Taps Right Glove	Silver Fur	Yarn Ball
Astronaut Mittens	Gravity Boots	Moon Shoes	Taps Left Glove	Silver Fur	Yarn Ball
Cadet Boots	Jetpack Pack	Solar Wings	Taps Left Glove	Orange Fur	Catnip Toy
Rover Chloe	Gravity Boots	Solar Wings	Taps Right Glove	Orange Fur	Squeaky Mouse
Major Purr	Gravity Boots	Moon Shoes	Taps Right Glove	Orange Fur	Catnip Toy
Cadet Hazel	Gravity Boots	Moon Shoes	Taps Right Glove	Silver Fur	Catnip Toy

CLUE 1
Place value

The control screen shows the room numbers split into tens and ones to unlock the first clue.

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

T									T									T
39	22	77	53	58	90	65	88	39	65	96	77	20	90	96	39			
									T									
11	77	58	30	58	16	96	97	77	39	20	22	88	77	51	65			

What number has 3 tens and 9 ones? → **T**

What number has 5 tens and 1 one? → **L**

What number has 2 tens and 2 ones? → **H**

What number has 8 tens and 8 ones? → **I**

What number has 5 tens and 8 ones? → **A**

What number has 3 tens and 0 ones? → **R**

What number has 1 ten and 6 ones? → **C**

What number has 9 tens and 7 ones? → **M**

What number has 7 tens and 7 ones? → **E**

What number has 9 tens and 6 ones? → **O**

What number has 5 tens and 3 ones? → **B**

What number has 9 tens and 0 ones? → **N**

What number has 2 tens and 0 ones? → **S**

What number has 6 tens and 5 ones? → **D**

What number has 1 ten and 1 one? → **W**

Scratch space:

CLUE 2 Addition

You count up all the star snacks found on the floor to see where the bandit went next.

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

T																			
23	92	82	21	77	82	45	41	46	52	45	77	69	44	23	23	45	54	21	

T																			
23	92	82	44	84	48	82	63	23	68	48	27	71	82						

$6 + 17 = \square \rightarrow$ T	$15 + 12 = \square \rightarrow$ O	$28 + 18 = \square \rightarrow$ Y
$23 + 48 = \square \rightarrow$ V	$9 + 12 = \square \rightarrow$ S	$47 + 21 = \square \rightarrow$ G
$27 + 36 = \square \rightarrow$ F	$41 + 51 = \square \rightarrow$ H	$47 + 22 = \square \rightarrow$ D
$24 + 30 = \square \rightarrow$ P	$28 + 13 = \square \rightarrow$ K	$19 + 25 = \square \rightarrow$ I
$32 + 20 = \square \rightarrow$ B	$26 + 19 = \square \rightarrow$ A	$29 + 53 = \square \rightarrow$ E
$46 + 31 = \square \rightarrow$ N	$14 + 34 = \square \rightarrow$ L	$31 + 53 = \square \rightarrow$ R

Scratch space:

CLUE 3

Subtraction

You take away the empty tuna cans from the full crate to reveal a hidden secret code.

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

A		A				A										
57	27	57	76	75	64	57	30	30	15	79	30	30	47	45	24	89

					A				
45	14	79	47	64	57	75	56	79	45

$76 - 19 = \square \rightarrow \boxed{\text{A}}$

$36 - 6 = \square \rightarrow \boxed{\text{L}}$

$63 - 7 = \square \rightarrow \boxed{\text{D}}$

$115 - 39 = \square \rightarrow \boxed{\text{R}}$

$28 - 1 = \square \rightarrow \boxed{\text{Y}}$

$28 - 4 = \square \rightarrow \boxed{\text{O}}$

$64 - 17 = \square \rightarrow \boxed{\text{S}}$

$106 - 17 = \square \rightarrow \boxed{\text{P}}$

$98 - 23 = \square \rightarrow \boxed{\text{N}}$

$101 - 22 = \square \rightarrow \boxed{\text{I}}$

$85 - 40 = \square \rightarrow \boxed{\text{T}}$

$48 - 33 = \square \rightarrow \boxed{\text{W}}$

$92 - 28 = \square \rightarrow \boxed{\text{B}}$

$37 - 23 = \square \rightarrow \boxed{\text{H}}$

Scratch space:

CLUE 4 Skip counting

You count the rocket fuel canisters by twos to track the trail left behind.

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

S											S								
8	130	50	20	70	24	42	120	24	110	39	8	42	16	120	33	45	39	14	
14	35	70	8	100	70	33	70												

Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 → **S**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, __, 36, 39 → **N**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, __, 42, 45 → **A**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, __, 45, 48 → **F**

Skip-count by 5s. Fill the blank: 5, 10, 15, __, 25, 30 → **V**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, __, 130, 140 → **U**

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

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 → **I**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, __, 60, 70 → **L**

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

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

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

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, __, 16, 18 → **T**

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

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

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

Scratch space:

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

You figure out how many more space badges are needed to fill the chest and get the last 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:

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

$1 + \underline{\quad} = 8$

$4 + \underline{\quad} = 14$

$5 + \underline{\quad} = 10$

$2 + \underline{\quad} = 10$

$8 + \underline{\quad} = 20$

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

$3 + \underline{\quad} = 7$

$1 + \underline{\quad} = 10$

$5 + \underline{\quad} = 11$

$1 + \underline{\quad} = 4$

Step 2 - cross out the sentence with each answer:

1. The villain zapped the lock with a laser pointer, then vanished inside a cosmic cloak.
2. The villain zapped the lock with a laser pointer, then bounced high in moon shoes.
3. The villain spied the vault with a starlight scope, then vanished inside a cosmic cloak.
4. The villain zapped the lock with a laser pointer, then blocked the lights with a comet shield.
5. The villain flew to the roof with a jetpack pack, then blocked the lights with a comet shield.
6. The villain spied the vault with a starlight scope, then blocked the lights with a comet shield.
7. The villain snuck past the guard in an astro helmet, then bounced high in moon shoes.
8. The villain hopped over the wall with gravity boots, then blocked the lights with a comet shield.
9. The villain hopped over the wall with gravity boots, then vanished inside a cosmic cloak.
10. The villain flew to the roof with a jetpack pack, then vanished inside a cosmic cloak.
11. The villain hopped over the wall with gravity boots, then bounced high in moon shoes.
12. The villain flew to the roof with a jetpack pack, then sped away using turbo thrusters.

Answer Key

The Case of the Missing Galaxy Tuna

Culprit: Captain Whiskers

Laser Pointer · Moon Shoes · Taps Left Glove · Silver Fur · Yarn Ball

Trail: Start 21 → Clue 1 19 → Clue 2 13 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE BANDIT DOES NOT WEAR A COMET SHIELD"

What number has 3 tens and 9 ones? = 39 (T) · What number has 5 tens and 1 one? = 51 (L) · What number has 2 tens and 2 ones? = 22 (H) · What number has 8 tens and 8 ones? = 88 (I) · What number has 5 tens and 8 ones? = 58 (A) · What number has 3 tens and 0 ones? = 30 (R) · What number has 1 ten and 6 ones? = 16 (C) · What number has 9 tens and 7 ones? = 97 (M) · What number has 7 tens and 7 ones? = 77 (E) · What number has 9 tens and 6 ones? = 96 (O) · What number has 5 tens and 3 ones? = 53 (B) · What number has 9 tens and 0 ones? = 90 (N) · What number has 2 tens and 0 ones? = 20 (S) · What number has 6 tens and 5 ones? = 65 (D) · What number has 1 ten and 1 one? = 11 (W)

Clue 2 (Addition): "THE SNEAKY BANDIT TAPS THEIR LEFT GLOVE"

$6 + 17 = 23$ (T) · $15 + 12 = 27$ (O) · $28 + 18 = 46$ (Y) · $23 + 48 = 71$ (V) · $9 + 12 = 21$ (S) · $47 + 21 = 68$ (G) · $27 + 36 = 63$ (F) · $41 + 51 = 92$ (H) · $47 + 22 = 69$ (D) · $24 + 30 = 54$ (P) · $28 + 13 = 41$ (K) · $19 + 25 = 44$ (I) · $32 + 20 = 52$ (B) · $26 + 19 = 45$ (A) · $29 + 53 = 82$ (E) · $46 + 31 = 77$ (N) · $14 + 34 = 48$ (L) · $31 + 53 = 84$ (R)

Clue 3 (Subtraction): "A YARN BALL WILL STOP THIS BANDIT"

$76 - 19 = 57$ (A) · $36 - 6 = 30$ (L) · $63 - 7 = 56$ (D) · $115 - 39 = 76$ (R) · $28 - 1 = 27$ (Y) · $28 - 4 = 24$ (O) · $64 - 17 = 47$ (S) · $106 - 17 = 89$ (P) · $98 - 23 = 75$ (N) · $101 - 22 = 79$ (I) · $85 - 40 = 45$ (T) · $48 - 33 = 15$ (W) · $92 - 28 = 64$ (B) · $37 - 23 = 14$ (H)

Clue 4 (Skip counting): "SILVER FUR WAS FOUND AT THE SCENE"

Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 = 8 (S) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, __, 36, 39 = 33 (N) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, __, 42, 45 = 39 (A) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, __, 45, 48 = 42 (F) · Skip-count by 5s. Fill the blank: 5, 10, 15, __, 25, 30 = 20 (V) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, __, 130, 140 = 120 (U) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, __, 26, 28 = 24 (R) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 = 130 (I) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, __, 60, 70 = 50 (L) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, __, 80, 90 = 70 (E) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, __, 120, 130 = 110 (W) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, __, 110, 120 = 100 (C) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, __, 16, 18 = 14 (T) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, __, 40, 45 = 35 (H) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 = 45 (D) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, __, 18, 20 = 16 (O)

Clue 5 (Missing addends): surviving statement is box 2 → Captain Whiskers

$1 + \underline{\quad} = 12 = 11$ · $1 + \underline{\quad} = 8 = 7$ · $4 + \underline{\quad} = 14 = 10$ · $5 + \underline{\quad} = 10 = 5$ · $2 + \underline{\quad} = 10 = 8$ · $8 + \underline{\quad} = 20 = 12$ · $6 + \underline{\quad} = 7 = 1$ · $3 + \underline{\quad} = 7 = 4$ · $1 + \underline{\quad} = 10 = 9$ · $5 + \underline{\quad} = 11 = 6$ · $1 + \underline{\quad} = 4 = 3$