



The Mystery of the Robo Cat Bandit

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

Detective: _____ Date: _____

A sneaky mechanical cat snuck into the lab and stole the golden fish chip! Solve the math clues to catch the villain.

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 Robo Cat Bandit is _____

Possible suspects

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

NAME	MAIN POWER	EXTRA GEAR	VISOR STATUS	FUR COLOR	SECRET WEAKNESS
Turbo	Laser Whiskers	Spark Zap	Wears Visor	Metal Silver	Catnip Spray
Ruby	Rocket Tail	Oil Slick	No Visor	Metal Silver	Catnip Spray
Circuit	Magnet Claws	Smoke Bomb	No Visor	Copper Orange	Catnip Spray
Rusty	Magnet Claws	Oil Slick	Wears Visor	Copper Orange	Water Blaster
Sprocket	Magnet Claws	Battery Blast	Wears Visor	Copper Orange	Water Blaster
Oliver	Sonic Meow	Spark Zap	No Visor	Metal Silver	Water Blaster
Gadget	Sonic Meow	Gear Shield	Wears Visor	Neon Pink	Laser Pointer
Whiskers	Sonic Meow	Gear Shield	No Visor	Metal Silver	Water Blaster
Cleo	Magnet Claws	Smoke Bomb	Wears Visor	Metal Silver	Catnip Spray
Barnaby	Turbo Paws	Battery Blast	Wears Visor	Neon Pink	Catnip Spray
Byte	Rocket Tail	Smoke Bomb	Wears Visor	Metal Silver	Catnip Spray
Radar	Laser Whiskers	Battery Blast	No Visor	Copper Orange	Water Blaster
Chip	Turbo Paws	Spark Zap	Wears Visor	Neon Pink	Catnip Spray
Ziggy	Sonic Meow	Smoke Bomb	Wears Visor	Metal Silver	Catnip Spray
Sparky	Laser Whiskers	Battery Blast	Wears Visor	Metal Silver	Catnip Spray
Hazel	Rocket Tail	Gear Shield	Wears Visor	Metal Silver	Laser Pointer
Felix	Laser Whiskers	Gear Shield	No Visor	Neon Pink	Water Blaster
Boots	Turbo Paws	Smoke Bomb	Wears Visor	Metal Silver	Water Blaster
Mittens	Magnet Claws	Battery Blast	No Visor	Metal Silver	Laser Pointer
Bolt	Turbo Paws	Battery Blast	No Visor	Metal Silver	Water Blaster
Gizmo	Sonic Meow	Spark Zap	Wears Visor	Neon Pink	Laser Pointer

CLUE 1 Addition

Count the shiny cat toy batteries added to the supply box to decode clue one.

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

T																	
17	4	14	11	15	14	19	7	8	10	2	13	2	17	12	2	14	11
		T						T	T								T
15	2	17	9	11	14	13	19	17	17	14	10	8	13	20	19	11	17

$9 + 8 = \square \rightarrow$ T	$3 + 6 = \square \rightarrow$ U	$4 + 11 = \square \rightarrow$ N	$9 + 5 = \square \rightarrow$ E
$1 + 1 = \square \rightarrow$ O	$5 + 5 = \square \rightarrow$ R	$2 + 5 = \square \rightarrow$ K	$9 + 11 = \square \rightarrow$ L
$3 + 5 = \square \rightarrow$ Y	$3 + 8 = \square \rightarrow$ S	$9 + 4 = \square \rightarrow$ B	$2 + 2 = \square \rightarrow$ H
$12 + 7 = \square \rightarrow$ A	$3 + 9 = \square \rightarrow$ D		

Scratch space:

CLUE 2

Subtraction

Take away the broken robot gears from the bin to reveal clue two.

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

W									W					W			
4	8	6	19	10	2	2	2	12	4	12	13	18	14	4	8	19	13

10	1	10	9	8	2	14	15	14	19	6	17	10	7	12	6		

$7 - 3 = \square \rightarrow \boxed{\text{W}}$

$15 - 6 = \square \rightarrow \boxed{\text{V}}$

$19 - 1 = \square \rightarrow \boxed{\text{L}}$

$15 - 7 = \square \rightarrow \boxed{\text{I}}$

$10 - 4 = \square \rightarrow \boxed{\text{T}}$

$20 - 5 = \square \rightarrow \boxed{\text{R}}$

$5 - 4 = \square \rightarrow \boxed{\text{Y}}$

$8 - 1 = \square \rightarrow \boxed{\text{C}}$

$14 - 4 = \square \rightarrow \boxed{\text{E}}$

$19 - 6 = \square \rightarrow \boxed{\text{G}}$

$18 - 1 = \square \rightarrow \boxed{\text{H}}$

$20 - 1 = \square \rightarrow \boxed{\text{N}}$

$17 - 5 = \square \rightarrow \boxed{\text{A}}$

$16 - 2 = \square \rightarrow \boxed{\text{O}}$

$6 - 4 = \square \rightarrow \boxed{\text{S}}$

Scratch space:

CLUE 3 Skip counting

Count the robo kitty paw prints by twos across the floor to find clue three.

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

S																			
55	28	26	140	40	25	100	8	65	22	60	25	100	42	140	25	24	60	28	
S								S											
55	28	26	140	40	25	18	55	25	18	28	60	25							

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, __, 60, 65 → **S**

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

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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, __, 45, 50 → **Y**

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

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

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

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

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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, __, 70, 75 → **M**

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

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

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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, __, 65, 70 →

Scratch space:

CLUE 4
Place value

Look at the tens and ones on the robot computer screen to read clue four.

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

W																
19	33	37	13	40	15	71	59	65	68	15	72	56	33	73	80	88
59	68	88	97	33	81	37	40	81	80	73	73	65	33	88	80	94

What number has 1 ten and 9 ones?

→

W

What number has 8 tens and 8 ones?

→

L

What number has 9 tens and 4 ones?

→

B

What number has 1 ten and 3 ones?

→

O

What number has 1 ten and 5 ones?

→

N

What number has 7 tens and 2 ones?

→

Y

What number has 8 tens and 1 one?

→

R

What number has 6 tens and 8 ones?

→

I

What number has 3 tens and 7 ones?

→

F

What number has 3 tens and 3 ones?

→

E

What number has 4 tens and 0 ones?

→

U

What number has 8 tens and 0 ones?

→

A

What number has 9 tens and 7 ones?

→

V

What number has 7 tens and 1 one?

→

D

What number has 5 tens and 6 ones?

→

M

What number has 6 tens and 5 ones?

→

H

What number has 5 tens and 9 ones?

→

S

What number has 7 tens and 3 ones?

→

T

Scratch space:

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

Find how many fish treats are missing from the robot dish to get clue five.

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:

$1 + \underline{\quad} = 6$

$7 + \underline{\quad} = 17$

$7 + \underline{\quad} = 13$

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

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

$10 + \underline{\quad} = 21$

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

$7 + \underline{\quad} = 8$

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

$5 + \underline{\quad} = 12$

$9 + \underline{\quad} = 12$

Step 2 - cross out the sentence with each answer:

1. The villain zaps with laser whiskers, then blocks attacks with a gear shield.
2. The villain grabs metal with magnet claws, then escapes inside a smoke bomb.
3. The villain zaps with laser whiskers, then leaves behind an oil slick.
4. The villain shouts with a sonic meow, then leaves behind an oil slick.
5. The villain zaps with laser whiskers, then shocks the area with a spark zap.
6. The villain shouts with a sonic meow, then escapes inside a smoke bomb.
7. The villain runs fast on turbo paws, then shocks the area with a spark zap.
8. The villain runs fast on turbo paws, then leaves behind an oil slick.
9. The villain zooms up with a rocket tail, then leaves behind an oil slick.
10. The villain zooms up with a rocket tail, then escapes inside a smoke bomb.
11. The villain grabs metal with magnet claws, then blocks attacks with a gear shield.
12. The villain zaps with laser whiskers, then escapes inside a smoke bomb.

Answer Key

The Mystery of the Robo Cat Bandit

Culprit: Cleo

Magnet Claws · Smoke Bomb · Wears Visor · Metal Silver · Catnip Spray

Trail: Start 21 → Clue 1 15 → Clue 2 10 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE SNEAKY ROBOT DOES NOT USE BATTERY BLAST"

$9 + 8 = 17$ (T) · $3 + 6 = 9$ (U) · $4 + 11 = 15$ (N) · $9 + 5 = 14$ (E) · $1 + 1 = 2$ (O) · $5 + 5 = 10$ (R) · $2 + 5 = 7$ (K) · $9 + 11 = 20$ (L) · $3 + 5 = 8$ (Y) · $3 + 8 = 11$ (S) · $9 + 4 = 13$ (B) · $2 + 2 = 4$ (H) · $12 + 7 = 19$ (A) · $3 + 9 = 12$ (D)

Clue 2 (Subtraction): "WITNESS SAW A GLOWING EYE VISOR ON THE CAT"

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

Clue 3 (Skip counting): "SPRAY THEM WITH CATNIP SPRAY TO STOP IT"

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, __, 60, 65 = 55 (S) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, __, 26, 28 = 24 (N) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, __, 45, 48 = 42 (C) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, __, 45, 50 = 40 (Y) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, __, 24, 26 = 22 (W) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, __, 28, 30 = 26 (R) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, __, 30, 32 = 28 (P) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, __, 30, 35 = 25 (T) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, __, 110, 120 = 100 (H) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, __, 70, 75 = 65 (M) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, __, 150, 160 = 140 (A) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, __, 20, 22 = 18 (O) · Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 = 8 (E) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, __, 65, 70 = 60 (I)

Clue 4 (Place value): "WE FOUND SHINY METAL SILVER FUR AT THE LAB"

What number has 1 ten and 9 ones? = 19 (W) · What number has 8 tens and 8 ones? = 88 (L) · What number has 9 tens and 4 ones? = 94 (B) · What number has 1 ten and 3 ones? = 13 (O) · What number has 1 ten and 5 ones? = 15 (N) · What number has 7 tens and 2 ones? = 72 (Y) · What number has 8 tens and 1 one? = 81 (R) · What number has 6 tens and 8 ones? = 68 (I) · What number has 3 tens and 7 ones? = 37 (F) · What number has 3 tens and 3 ones? = 33 (E) · What number has 4 tens and 0 ones? = 40 (U) · What number has 8 tens and 0 ones? = 80 (A) · What number has 9 tens and 7 ones? = 97 (V) · What number has 7 tens and 1 one? = 71 (D) · What number has 5 tens and 6 ones? = 56 (M) · What number has 6 tens and 5 ones? = 65 (H) · What number has 5 tens and 9 ones? = 59 (S) · What number has 7 tens and 3 ones? = 73 (T)

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

$1 + \underline{\quad} = 6 = 5$ · $7 + \underline{\quad} = 17 = 10$ · $7 + \underline{\quad} = 13 = 6$ · $4 + \underline{\quad} = 12 = 8$ · $10 + \underline{\quad} = 14 = 4$ · $10 + \underline{\quad} = 21 = 11$ · $1 + \underline{\quad} = 10 = 9$ · $7 + \underline{\quad} = 8 = 1$ · $8 + \underline{\quad} = 20 = 12$ · $5 + \underline{\quad} = 12 = 7$ · $9 + \underline{\quad} = 12 = 3$