



The Glitched Beacon Mystery

Grade 1 math · Addition, Subtraction, Multiplication, Rounding, Division · Reading level grades 3-4

Detective: _____ **Date:** _____

Oh no! A mysterious Glitched Meowcorn has stolen the Golden Rainbow Beacon from the voxel castle! Without it, our blocky cat-unicorns cannot craft their colorful wings. Chief Kitten Mittens needs you to follow the digital footprints, solve the math problems, and unmask the rogue pixel-thief before the server resets!

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 Glitched Meowcorn is _____

Possible suspects

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

NAME	VOXEL ATTACK	SPECIAL ESCAPE	MINING STANCE	MANE STYLE	DISLIKED ITEM
Ender Whiskers	glitter splash beam	ender pearl teleport	holds pickaxe left-handed	pink pixel fur	dog barks
Luna Lapis	diamond horn strike	milk potion splash	holds pickaxe right-handed	pink pixel fur	water buckets
Nyan Block	meow melody ring	fish block shield	holds pickaxe left-handed	pink pixel fur	water buckets
Bella Beacon	meow melody ring	fish block shield	holds pickaxe right-handed	pink pixel fur	water buckets
Purrfect Steve	meow melody ring	ender pearl teleport	holds pickaxe left-handed	pink pixel fur	water buckets
Prisma Paw	diamond horn strike	ender pearl teleport	holds pickaxe right-handed	neon blue mane	water buckets
Rainbow Ruby	pixel dash charge	redstone spark burst	holds pickaxe right-handed	obsidian black tail	golden carrots
Ocelot Horn	meow melody ring	redstone spark burst	holds pickaxe right-handed	neon blue mane	dog barks
Toby Terracotta	glitter splash beam	ender pearl teleport	holds pickaxe right-handed	pink pixel fur	golden carrots
Pixel Paws	wool block blast	ender pearl teleport	holds pickaxe left-handed	pink pixel fur	dog barks
Creeper Claw	pixel dash charge	redstone spark burst	holds pickaxe right-handed	obsidian black tail	water buckets
Milo Minecart	glitter splash beam	fish block shield	holds pickaxe right-handed	pink pixel fur	dog barks
Sassy Whiskers	wool block blast	milk potion splash	holds pickaxe left-handed	pink pixel fur	water buckets
Ginger Glitch	wool block blast	fish block shield	holds pickaxe left-handed	pink pixel fur	dog barks
Stampy Cat	pixel dash charge	fish block shield	holds pickaxe right-handed	pink pixel fur	dog barks
Sparkle Claw	diamond horn strike	milk potion splash	holds pickaxe right-handed	obsidian black tail	golden carrots
Mewry	wool block blast	rainbow trail boost	holds pickaxe right-handed	neon blue mane	dog barks
Gamer Glitter	diamond horn strike	rainbow trail boost	holds pickaxe left-handed	obsidian black tail	water buckets
Miney Mew	diamond horn strike	redstone spark burst	holds pickaxe right-handed	neon blue mane	dog barks
Alex the Meow	glitter splash beam	ender pearl teleport	holds pickaxe left-handed	pink pixel fur	water buckets
Tabby Craft	pixel dash charge	redstone spark burst	holds pickaxe left-handed	pink pixel fur	water buckets

CLUE 1

We gathered the leftover wool blocks scattered on the castle lawn. Add up the white blocks and the blue blocks to find the magic total and reveal our first clue about the thief's gear!

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

The diagram shows two rows of boxes representing numbers. The top row contains 16 boxes with the following values from left to right: 4, 5, 7, 3, 18, 7, 8, 18, 7, 17, 2, 18, 4, 4, 5, 19, 18, 16. The bottom row contains 10 boxes with the following values from left to right: 20, 15, 14, 10, 13, 18, 4, 15, 18, 2, 17. In both rows, the first box is highlighted orange.

$$1 + 4 = \boxed{} \rightarrow \boxed{\text{H}}$$

$11 + 8 = \boxed{} \rightarrow \boxed{\text{R}}$

$$10 + 4 = \boxed{} \rightarrow \boxed{\text{L}}$$

$4 + 4 = \square \rightarrow \boxed{\mathbf{D}}$

$6 + 14 = \boxed{} \rightarrow \boxed{\text{M}}$

Scratch space:

CLUE 2

The thief knocked down a chest of pixel fish, and some fell into the void. Subtract the lost fish from the original stack to see how many we saved. This difference unlocks a clue about their pickaxe hand!

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

Diagram illustrating the sequence of numbers and the placement of 'T' markers across three rows of boxes:

- Row 1: 10 (T), 9, 16, 11, 12, 6, 6, 15, 12, 14, 13, 18, 16, 18, 10 (T), 9, 16, 12, 8
- Row 2: 6, 16, 19, 10 (T), 9, 15, 14, 4

13 - 3 = → **T**

20 - 2 = → **S**

20 - 1 = → **F**

15 - 7 = → **R**

20 - 7 = → **U**

$13 - 9 = \square \rightarrow \boxed{\text{D}}$

15 - 9 = → **L**

$17 - 1 = \square \rightarrow \boxed{\text{E}}$

$17 - 6 = \square \rightarrow \boxed{\mathbf{V}}$

18 - 4 = → **N**

17 - 5 = →

12 - 3 = → **H**

20 - 5 = → **A**

Scratch space:

CLUE 3
Multiplication facts (1-12)

The guards found several neat rows of rainbow gems dropped in the garden. Multiply the number of rows by the gems in each row to count the treasure. This product gives us a clue to the villain's secret weakness!

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

T			T																
35	70	88	35	70	132	88	44	42	28	36	144	44	42	11	24				

		T								T	
12	48	35	88	42	80	28	90	27	88	35	144

$7 \times 5 = \square \rightarrow$ T	$11 \times 1 = \square \rightarrow$ O	$9 \times 10 = \square \rightarrow$ C	
$12 \times 4 = \square \rightarrow$ A	$7 \times 4 = \square \rightarrow$ U	$8 \times 3 = \square \rightarrow$ M	$9 \times 3 = \square \rightarrow$ K
$10 \times 7 = \square \rightarrow$ H	$11 \times 8 = \square \rightarrow$ E	$11 \times 12 = \square \rightarrow$ I	
$8 \times 10 = \square \rightarrow$ B	$7 \times 6 = \square \rightarrow$ R	$4 \times 9 = \square \rightarrow$ N	
$1 \times 12 = \square \rightarrow$ W	$4 \times 11 = \square \rightarrow$ F	$12 \times 12 = \square \rightarrow$ S	

Scratch space:

CLUE 4 Rounding

Our blocky scanner radar detected a glowing pixel trail, but the screen is pixelated and only shows rounded numbers. Round the distance to the nearest ten to clear up the screen and see what color fur the thief left behind!

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

P				P													
900	700	80	600	900	700	60	200	800	90	30	200	70	200	800	200	400	40
20	40	40	50	200	90	500	200	80	200								

Round 904 to the nearest hundred → **P**

Round 81 to the nearest ten → **N**

Round 381 to the nearest hundred → **F**

Round 90 to the nearest ten → **S**

Round 41 to the nearest ten → **T**

Round 761 to the nearest hundred → **L**

Round 34 to the nearest ten → **W**

Round 163 to the nearest hundred → **E**

Round 462 to the nearest hundred → **C**

Round 628 to the nearest hundred → **K**

Round 74 to the nearest ten → **R**

Round 52 to the nearest ten → **H**

Round 747 to the nearest hundred → **I**

Round 60 to the nearest ten → **X**

Round 21 to the nearest ten → **A**

Scratch space:

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

We need to split the leftover golden apples equally among our search boxes to power up our trackers. Divide the apples to find the perfect share, unlocking the final clue to stop this sneaky feline!

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:

$120 \div 12 = \boxed{}$

$40 \div 8 = \boxed{}$

$24 \div 3 = \boxed{}$

$28 \div 4 = \boxed{}$

$81 \div 9 = \boxed{}$

$44 \div 4 = \boxed{}$

$16 \div 8 = \boxed{}$

$24 \div 2 = \boxed{}$

$66 \div 11 = \boxed{}$

$4 \div 4 = \boxed{}$

$12 \div 4 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain scratches the wooden gate, then sparks a trail of redstone dust.
2. The villain zaps the pixel tower, then deploys a fish block shield.
3. The villain digs up the diamond hill, then leaves a glowing rainbow trail.
4. The villain scratches the wooden gate, then deploys a fish block shield.
5. The villain scratches the wooden gate, then escapes with an ender pearl.
6. The villain blocks the water stream, then leaves a glowing rainbow trail.
7. The villain knocks down the wool fence, then escapes with an ender pearl.
8. The villain zaps the pixel tower, then escapes with an ender pearl.
9. The villain digs up the diamond hill, then deploys a fish block shield.
10. The villain knocks down the wool fence, then sparks a trail of redstone dust.
11. The villain knocks down the wool fence, then leaves a glowing rainbow trail.
12. The villain blocks the water stream, then brews a sneaky milk potion.

Answer Key

The Glitched Beacon Mystery

Culprit: Nyan Block

meow melody ring · fish block shield · holds pickaxe left-handed · pink pixel fur · water buckets

Trail: Start 21 → Clue 1 18 → Clue 2 8 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE FOE DOES NOT THROW MILK POTIONS"

$2 + 2 = 4$ (T) · $1 + 1 = 2$ (N) · $9 + 6 = 15$ (I) · $1 + 4 = 5$ (H) · $1 + 2 = 3$ (F) · $6 + 11 = 17$ (S) · $11 + 8 = 19$ (R) · $2 + 5 = 7$ (E) · $7 + 11 = 18$ (O) · $10 + 4 = 14$ (L) · $7 + 3 = 10$ (K) · $4 + 9 = 13$ (P) · $8 + 8 = 16$ (W) · $4 + 4 = 8$ (D) · $6 + 14 = 20$ (M)

Clue 2 (Subtraction): "THE VILLAIN USES THEIR LEFT HAND"

$13 - 3 = 10$ (T) · $20 - 2 = 18$ (S) · $20 - 1 = 19$ (F) · $15 - 7 = 8$ (R) · $20 - 7 = 13$ (U) · $13 - 9 = 4$ (D) · $15 - 9 = 6$ (L) · $17 - 1 = 16$ (E) · $17 - 6 = 11$ (V) · $18 - 4 = 14$ (N) · $17 - 5 = 12$ (I) · $12 - 3 = 9$ (H) · $20 - 5 = 15$ (A)

Clue 3 (Multiplication facts (1-12)): "THE THIEF RUNS FROM WATER BUCKETS"

$7 \times 5 = 35$ (T) · $11 \times 1 = 11$ (O) · $9 \times 10 = 90$ (C) · $12 \times 4 = 48$ (A) · $7 \times 4 = 28$ (U) · $8 \times 3 = 24$ (M) · $9 \times 3 = 27$ (K) · $10 \times 7 = 70$ (H) · $11 \times 8 = 88$ (E) · $11 \times 12 = 132$ (I) · $8 \times 10 = 80$ (B) · $7 \times 6 = 42$ (R) · $4 \times 9 = 36$ (N) · $1 \times 12 = 12$ (W) · $4 \times 11 = 44$ (F) · $12 \times 12 = 144$ (S)

Clue 4 (Rounding): "PINK PIXELS WERE LEFT AT THE SCENE"

Round 904 to the nearest hundred = 900 (P) · Round 81 to the nearest ten = 80 (N) · Round 381 to the nearest hundred = 400 (F) · Round 90 to the nearest ten = 90 (S) · Round 41 to the nearest ten = 40 (T) · Round 761 to the nearest hundred = 800 (L) · Round 34 to the nearest ten = 30 (W) · Round 163 to the nearest hundred = 200 (E) · Round 462 to the nearest hundred = 500 (C) · Round 628 to the nearest hundred = 600 (K) · Round 74 to the nearest ten = 70 (R) · Round 52 to the nearest ten = 50 (H) · Round 747 to the nearest hundred = 700 (I) · Round 60 to the nearest ten = 60 (X) · Round 21 to the nearest ten = 20 (A)

Clue 5 (Division facts (1-12)): surviving statement is box 4 → Nyan Block

$120 \div 12 = 10$ · $40 \div 8 = 5$ · $24 \div 3 = 8$ · $28 \div 4 = 7$ · $81 \div 9 = 9$ · $44 \div 4 = 11$ · $16 \div 8 = 2$ · $24 \div 2 = 12$ · $66 \div 11 = 6$ · $4 \div 4 = 1$ · $12 \div 4 = 3$