



The Wrigley Field Rhythm Glitch

Grade 5 math · Fractions of a number, Multiplication, Multi-step word problems, Order of operations, Missing addends --
Reading level grades 5-6

Detective: _____ Date: _____

The stadium lights have turned bright neon purple, and a mysterious energy has frozen the Chicago Cubs mascot! A rogue presence from the Blooket trivia dimensions has teamed up with dark spirits. It is up to the Huntrix demon hunters to use pop-music choreography and diamond-smart detective skills to track down the culprit before the big game starts.

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 Boss Blook is _____

Possible suspects

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

NAME	SIGNATURE MOVE	SPECIAL ACCESSORY	THROWING STYLE	HAIR STYLE	MAJOR WEAKNESS
Clark Cub	Dance Battle Kick	Gold Blook Shield	Right-handed thrower	Spiky Blue Hair	Simple Trivia Questions
Goldy Blook	Dance Battle Kick	Ivy Shield	Right-handed thrower	Smooth Jet Black Hair	Smooth Jazz Bassline
Haru Kim	Curveball Pitch	Pop Fedora	Left-handed thrower	Spiky Blue Hair	Smooth Jazz Bassline
Ryne Sandoval	Moonwalk Dash	Pop Fedora	Right-handed thrower	Neon Green Hair	Hot Dog Scent
Min Ji	Curveball Pitch	Gold Blook Shield	Left-handed thrower	Spiky Blue Hair	Hot Dog Scent
Agent Huntrix	Curveball Pitch	Sparkly Glove	Right-handed thrower	Spiky Blue Hair	Smooth Jazz Bassline
Ian Happ	Dance Battle Kick	Neon Lightstick	Left-handed thrower	Spiky Blue Hair	Simple Trivia Questions
Ben Zobrist	Curveball Pitch	Sparkly Glove	Right-handed thrower	Neon Green Hair	Smooth Jazz Bassline
Dansby Swanson	Dance Battle Kick	Sparkly Glove	Right-handed thrower	Spiky Blue Hair	Simple Trivia Questions
Blooky McBlook	Trivia Blast	Pop Fedora	Left-handed thrower	Neon Green Hair	Smooth Jazz Bassline
Ye Jun	Curveball Pitch	Gold Blook Shield	Right-handed thrower	Spiky Blue Hair	Hot Dog Scent
King of Pop	Dance Battle Kick	Gold Blook Shield	Left-handed thrower	Neon Green Hair	Smooth Jazz Bassline
Jin Seon	Moonwalk Dash	Sparkly Glove	Right-handed thrower	Smooth Jet Black Hair	Simple Trivia Questions
Nico Hoerner	Curveball Pitch	Ivy Shield	Right-handed thrower	Spiky Blue Hair	Simple Trivia Questions
Commander Cody	Moonwalk Dash	Ivy Shield	Right-handed thrower	Spiky Blue Hair	Simple Trivia Questions
Kris Bryant	Dance Battle Kick	Sparkly Glove	Left-handed thrower	Spiky Blue Hair	Hot Dog Scent
Hector Rondon	Moonwalk Dash	Ivy Shield	Left-handed thrower	Neon Green Hair	Hot Dog Scent
Justin Steele	Dance Battle Kick	Neon Lightstick	Left-handed thrower	Neon Green Hair	Smooth Jazz Bassline
Christopher Morel	Trivia Blast	Pop Fedora	Right-handed thrower	Spiky Blue Hair	Simple Trivia Questions
Sammy Sosa	Diamond Slide	Ivy Shield	Right-handed thrower	Spiky Blue Hair	Hot Dog Scent
Billie Jean	Diamond Slide	Sparkly Glove	Left-handed thrower	Neon Green Hair	Simple Trivia Questions

Fractions of a number

We checked the power grid where a fraction of the glowing lights went dark, pointing to our first clue.

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

Diagram illustrating a sequence of numbers and letters arranged in two rows of boxes. The top row contains 18 boxes, with the first and tenth boxes containing the letter 'T'. The bottom row contains 14 empty boxes. Below each box is a corresponding number.

Row	Box 1	Box 2	Box 3	Box 4	Box 5	Box 6	Box 7	Box 8	Box 9	Box 10	Box 11	Box 12	Box 13	Box 14	Box 15	Box 16	Box 17	Box 18
Top	T									T								
Bottom																		
Value	32	9	35	38	19	38	2	35	31	32	11	16	35	38	14	16	32	
Value	4	35	26	33	26	2	16	2	40	35	11	16	33	26				

$2/8$ of 128 = $\rightarrow$ **T**

$$\frac{1}{10} \text{ of } 20 = \boxed{} \rightarrow \boxed{\text{P}}$$

$1/8$ of 152 = $\rightarrow$ **U**

$4/10$ of $40 = \boxed{} \rightarrow \boxed{\text{O}}$

$2/4$ of 70 = $\rightarrow$ **E**

$\frac{1}{3}$ of 93 = $\rightarrow$ **C**

$4/10$ of 65 = $\rightarrow$ **A**

$2/8$ of 132 = $\rightarrow$ **R**

$\frac{1}{3}$ of 114 = $\rightarrow$ **S**

$$\frac{1}{8} \text{ of } 112 = \boxed{} \rightarrow \boxed{\text{N}}$$

2/10 of 45 = → **H**

$2/10$ of $55 = \boxed{} \rightarrow \boxed{\text{D}}$

$1/5$ of 200 = $\rightarrow$ **F**

$$1/10 \text{ of } 40 = \boxed{} \rightarrow \boxed{\text{W}}$$

Scratch space:

CLUE 2

Multiplication facts (1-12)

Our team counted equal rows of dancers on the diamond to multiply their scores and find a hidden file.

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

T										T	T								T	
30	100	5	8	25	8	11	5	9	30	30	100	35	5	72	72	54	30	100		
T										T										
30	100	5	54	35	35	54	56	100	30	100	45	40	15							

$5 \times 6 = \square \rightarrow$ T	$5 \times 5 = \square \rightarrow$ U	$5 \times 9 = \square \rightarrow$ A	$7 \times 5 = \square \rightarrow$ R
$8 \times 9 = \square \rightarrow$ W	$1 \times 11 = \square \rightarrow$ P	$10 \times 10 = \square \rightarrow$ H	
$3 \times 5 = \square \rightarrow$ D	$9 \times 6 = \square \rightarrow$ I	$5 \times 1 = \square \rightarrow$ E	$8 \times 7 = \square \rightarrow$ G
$4 \times 10 = \square \rightarrow$ N	$3 \times 3 = \square \rightarrow$ C	$8 \times 1 = \square \rightarrow$ S	

Scratch space:

CLUE 3

Multi-step word problems

We did a multi-step search through the concession stands and the dugout to combine our clues together.

Solve each problem, then write its letter in the boxes to fill in the missing word.

Someone scared the villain off with

S							R		V		A	Q	U		S			O	N	S
90	28	80	79	78	36	30	28	28				36	90	30	28					90

Rookie Scout filled 2 boxes with 2 gold gloves each, then found 86 more gold gloves. How many gold gloves are there in all?

Answer: → **S**

Rookie Scout earned 7 dance shoes in each of 3 rounds, plus 69 bonus dance shoes. Then 11 dance shoes were lost. How many dance shoes are left?

Answer: → **P**

Rookie Scout earned 8 trivia tokens in each of 4 rounds, plus 55 bonus trivia tokens. Then 7 trivia tokens were lost. How many trivia tokens are left?

Answer: → **M**

There were 154 trading cards in all. 34 trading cards were set aside. The rest were shared equally among 4 Diamond Hunters. How many trading cards did each get?

Answer: → **T**

There were 156 glowing lightsticks in all. 2 Diamond Hunters used 36 glowing lightsticks each. The other 3 Diamond Hunters shared the rest equally. How many glowing lightsticks did each of the other Diamond Hunters get?

Answer: → **I**

Rookie Scout collected 25 glowing lightsticks in the morning and 287 glowing lightsticks in the afternoon, then split them equally among 4 Diamond Hunters. How many glowing lightsticks did each get?

Answer: → **L**

Rookie Scout filled 6 boxes with 2 trivia tokens each, then found 24 more trivia tokens. How many trivia tokens are there in all?

Answer: → **E**

Scratch space:

CLUE 4

Order of operations

To crack the main vault, we must follow the strict order of operations on the neon keypad.

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

B															
67	10	23	8	32	22	73	40	50	45	48	73	63	9	48	32

44	48	23	12	45	56	21	68	44	48	75	8	63	48	

$43 + 8 \times 3 = \square \rightarrow \text{B}$

$16 + 3 \times 2 = \square \rightarrow \text{P}$

$7 \times 3 - 12 = \square \rightarrow \text{W}$

$36 + 2 \times 4 = \square \rightarrow \text{C}$

$22 + 2 \times 5 = \square \rightarrow \text{S}$

$28 + 4 \times 3 = \square \rightarrow \text{K}$

$9 \times 6 - 6 = \square \rightarrow \text{A}$

$11 \times 7 - 27 = \square \rightarrow \text{Y}$

$9 \times 9 - 13 = \square \rightarrow \text{N}$

$3 \times 5 - 3 = \square \rightarrow \text{G}$

$27 + 9 \times 4 = \square \rightarrow \text{R}$

$63 + 2 \times 5 = \square \rightarrow \text{I}$

$8 + 5 \times 3 = \square \rightarrow \text{U}$

$2 + 3 \times 2 = \square \rightarrow \text{E}$

$37 + 2 \times 4 = \square \rightarrow \text{H}$

$10 \times 9 - 15 = \square \rightarrow \text{M}$

$10 \times 8 - 24 = \square \rightarrow \text{T}$

$6 + 2 \times 2 = \square \rightarrow \text{L}$

$5 + 8 \times 2 = \square \rightarrow \text{O}$

Scratch space:

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

We need to find the missing number of dance steps to complete our team total and open the log.

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:

$1 + \underline{\quad} = 5$

$9 + \underline{\quad} = 11$

$6 + \underline{\quad} = 9$

$11 + \underline{\quad} = 20$

$20 + \underline{\quad} = 30$

$25 + \underline{\quad} = 30$

$6 + \underline{\quad} = 17$

$5 + \underline{\quad} = 13$

$18 + \underline{\quad} = 19$

$6 + \underline{\quad} = 13$

$26 + \underline{\quad} = 38$

Step 2 - cross out the sentence with each answer:

1. The villain performed a rapid moonwalk dash, then summoned a bright neon forcefield.
2. The villain performed a rapid moonwalk dash, then wrapped the exit in historic ivy vines.
3. The villain hurled a glowing neon curveball, then wrapped the exit in historic ivy vines.
4. The villain executed a high dance battle kick, then blocked the cameras with a giant gold blook.
5. The villain made a supercharged diamond slide, then teleported away in a spin under a black fedora.
6. The villain executed a high dance battle kick, then unleashed a shower of magic silver sparkles.
7. The villain hurled a glowing neon curveball, then teleported away in a spin under a black fedora.
8. The villain hurled a glowing neon curveball, then unleashed a shower of magic silver sparkles.
9. The villain performed a rapid moonwalk dash, then teleported away in a spin under a black fedora.
10. The villain made a supercharged diamond slide, then summoned a bright neon forcefield.
11. The villain performed a rapid moonwalk dash, then unleashed a shower of magic silver sparkles.
12. The villain executed a high dance battle kick, then teleported away in a spin under a black fedora.

Answer Key

The Wrigley Field Rhythm Glitch

Culprit: Dansby Swanson

Dance Battle Kick · Sparkly Glove · Right-handed thrower · Spiky Blue Hair · Simple Trivia Questions

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

Clue 1 (Fractions of a number): "THE SUSPECT DOES NOT WEAR A POP FEDORA"

$\frac{2}{8}$ of 128 = 32 (T) · $\frac{1}{10}$ of 20 = 2 (P) · $\frac{1}{8}$ of 152 = 19 (U) · $\frac{4}{10}$ of 40 = 16 (O) · $\frac{2}{4}$ of 70 = 35 (E) · $\frac{1}{3}$ of 93 = 31 (C) · $\frac{4}{10}$ of 65 = 26 (A) · $\frac{2}{8}$ of 132 = 33 (R) · $\frac{1}{3}$ of 114 = 38 (S) · $\frac{1}{8}$ of 112 = 14 (N) · $\frac{2}{10}$ of 45 = 9 (H) · $\frac{2}{10}$ of 55 = 11 (D) · $\frac{1}{5}$ of 200 = 40 (F) · $\frac{1}{10}$ of 40 = 4 (W)

Clue 2 (Multiplication facts (1-12)): "THE SUSPECT THREW WITH THEIR RIGHT HAND"

$5 \times 6 = 30$ (T) · $5 \times 5 = 25$ (U) · $5 \times 9 = 45$ (A) · $7 \times 5 = 35$ (R) · $8 \times 9 = 72$ (W) · $1 \times 11 = 11$ (P) · $10 \times 10 = 100$ (H) · $3 \times 5 = 15$ (D) · $9 \times 6 = 54$ (I) · $5 \times 1 = 5$ (E) · $8 \times 7 = 56$ (G) · $4 \times 10 = 40$ (N) · $3 \times 3 = 9$ (C) · $8 \times 1 = 8$ (S)

Clue 3 (Multi-step word problems): "SIMPLE TRIVIA QUESTIONS"

Rookie Scout filled 2 boxes with 2 gold gloves each, then found 86 more gold gloves. How many gold gloves are there in all? = 90 (S) · Rookie Scout earned 7 dance shoes in each of 3 rounds, plus 69 bonus dance shoes. Then 11 dance shoes were lost. How many dance shoes are left? = 79 (P) · Rookie Scout earned 8 trivia tokens in each of 4 rounds, plus 55 bonus trivia tokens. Then 7 trivia tokens were lost. How many trivia tokens are left? = 80 (M) · There were 154 trading cards in all. 34 trading cards were set aside. The rest were shared equally among 4 Diamond Hunters. How many trading cards did each get? = 30 (T) · There were 156 glowing lightsticks in all. 2 Diamond Hunters used 36 glowing lightsticks each. The other 3 Diamond Hunters shared the rest equally. How many glowing lightsticks did each of the other Diamond Hunters get? = 28 (I) · Rookie Scout collected 25 glowing lightsticks in the morning and 287 glowing lightsticks in the afternoon, then split them equally among 4 Diamond Hunters. How many glowing lightsticks did each get? = 78 (L) · Rookie Scout filled 6 boxes with 2 trivia tokens each, then found 24 more trivia tokens. How many trivia tokens are there in all? = 36 (E)

Clue 4 (Order of operations): "BLUE SPIKY HAIR WAS CAUGHT ON CAMERA"

$43 + 8 \times 3 = 67$ (B) · $16 + 3 \times 2 = 22$ (P) · $7 \times 3 - 12 = 9$ (W) · $36 + 2 \times 4 = 44$ (C) · $22 + 2 \times 5 = 32$ (S) · $28 + 4 \times 3 = 40$ (K) · $9 \times 6 - 6 = 48$ (A) · $11 \times 7 - 27 = 50$ (Y) · $9 \times 9 - 13 = 68$ (N) · $3 \times 5 - 3 = 12$ (G) · $27 + 9 \times 4 = 63$ (R) · $63 + 2 \times 5 = 73$ (I) · $8 + 5 \times 3 = 23$ (U) · $2 + 3 \times 2 = 8$ (E) · $37 + 2 \times 4 = 45$ (H) · $10 \times 9 - 15 = 75$ (M) · $10 \times 8 - 24 = 56$ (T) · $6 + 2 \times 2 = 10$ (L) · $5 + 8 \times 2 = 21$ (O)

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

$1 + \underline{\quad} = 5 = 4$ · $9 + \underline{\quad} = 11 = 2$ · $6 + \underline{\quad} = 9 = 3$ · $11 + \underline{\quad} = 20 = 9$ · $20 + \underline{\quad} = 30 = 10$ · $25 + \underline{\quad} = 30 = 5$ · $6 + \underline{\quad} = 17 = 11$ · $5 + \underline{\quad} = 13 = 8$ · $18 + \underline{\quad} = 19 = 1$ · $6 + \underline{\quad} = 13 = 7$ · $26 + \underline{\quad} = 38 = 12$