



The Great Blooket Server Hack

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

Detective: _____ **Date:** _____

The ultimate Blooket trivia match was about to begin when someone hacked the server, locked out the Game Host, and stole the legendary Golden Trophy! A clever Glitch Blook is behind this mess. By decoding server logs and matching game traits, we can find the culprit before the class timer runs out!

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 Glitch Blook is _____

Possible suspects

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

NAME	HACKING STYLE	SPECIAL POWERUP	CLICKER HAND	HEAD ACCESSORY	SYSTEM WEAKNESS
Yeti Blook	tower defense	shield potions	right mouse click	red astronaut helmet	incorrect answers
Jester Blook	crypto hacking	triple multipliers	left mouse click	pink crown	shield blocks
Santa Blook	cafe baking	freeze spells	left mouse click	blue party hat	incorrect answers
Megalodon	crypto hacking	shield potions	left mouse click	red astronaut helmet	incorrect answers
Master Elf	gold stealing	swift wheels	right mouse click	pink crown	time out screens
Agent Owl	dino throwing	triple multipliers	left mouse click	pink crown	incorrect answers
Unicorn Blook	gold stealing	triple multipliers	right mouse click	blue party hat	incorrect answers
Astronaut Blook	cafe baking	mega chests	right mouse click	blue party hat	time out screens
Witch Blook	crypto hacking	triple multipliers	left mouse click	pink crown	incorrect answers
French Toast Blook	gold stealing	shield potions	right mouse click	pink crown	time out screens
King Blook	dino throwing	freeze spells	left mouse click	pink crown	incorrect answers
Zombie Blook	crypto hacking	freeze spells	right mouse click	red astronaut helmet	time out screens
Slime Monster	crypto hacking	shield potions	right mouse click	blue party hat	time out screens
Mummy Blook	cafe baking	freeze spells	right mouse click	pink crown	incorrect answers
Elf Blook	dino throwing	shield potions	right mouse click	pink crown	incorrect answers
Penguin Blook	cafe baking	freeze spells	left mouse click	pink crown	shield blocks
Spooky Ghost	crypto hacking	freeze spells	left mouse click	pink crown	incorrect answers
Chameleon	gold stealing	triple multipliers	left mouse click	red astronaut helmet	incorrect answers
Phantom Blook	tower defense	shield potions	left mouse click	pink crown	incorrect answers
Owl Blook	tower defense	swift wheels	left mouse click	pink crown	time out screens
Brainy Bot	tower defense	swift wheels	left mouse click	pink crown	incorrect answers

CLUE 1
Fractions of a number

To track the glitch, the Game Host analyzed a fraction of the logged server crashes.

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

T																T
16	39	38	22	24	25	25	19	24	17	9	27	38	35	17	27	16
18	35	38	28	5	38	38	34	38	35	3	38	25	25	35		

$3/6 \text{ of } 32 = \square \rightarrow \boxed{\text{T}}$

$2/10 \text{ of } 95 = \square \rightarrow \boxed{\text{A}}$

$1/10 \text{ of } 90 = \square \rightarrow \boxed{\text{D}}$

$3/6 \text{ of } 56 = \square \rightarrow \boxed{\text{F}}$

$1/4 \text{ of } 140 = \square \rightarrow \boxed{\text{S}}$

$3/10 \text{ of } 60 = \square \rightarrow \boxed{\text{U}}$

$8/10 \text{ of } 30 = \square \rightarrow \boxed{\text{I}}$

$1/4 \text{ of } 152 = \square \rightarrow \boxed{\text{E}}$

$1/4 \text{ of } 100 = \square \rightarrow \boxed{\text{L}}$

$2/10 \text{ of } 195 = \square \rightarrow \boxed{\text{H}}$

$2/10 \text{ of } 110 = \square \rightarrow \boxed{\text{V}}$

$5/10 \text{ of } 68 = \square \rightarrow \boxed{\text{Z}}$

$2/6 \text{ of } 51 = \square \rightarrow \boxed{\text{N}}$

$5/10 \text{ of } 10 = \square \rightarrow \boxed{\text{R}}$

$3/5 \text{ of } 5 = \square \rightarrow \boxed{\text{P}}$

$1/3 \text{ of } 81 = \square \rightarrow \boxed{\text{O}}$

Scratch space:

CLUE 2

Multiplication facts (1-12)

We checked the game database where point multipliers were stacked in perfect rows.

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

T						T											T
4	3	1	55	70	27	4	80	3	72	56	1	25	100	70	1	64	4

81	42	72	56	1	80	70	27	80	49	

$1 \times 4 = \square \rightarrow \boxed{\text{T}}$

$10 \times 10 = \square \rightarrow \boxed{\text{A}}$

$10 \times 7 = \square \rightarrow \boxed{\text{L}}$

$11 \times 5 = \square \rightarrow \boxed{\text{G}}$

$8 \times 10 = \square \rightarrow \boxed{\text{C}}$

$6 \times 7 = \square \rightarrow \boxed{\text{O}}$

$9 \times 3 = \square \rightarrow \boxed{\text{I}}$

$3 \times 1 = \square \rightarrow \boxed{\text{H}}$

$8 \times 8 = \square \rightarrow \boxed{\text{F}}$

$1 \times 1 = \square \rightarrow \boxed{\text{E}}$

$9 \times 8 = \square \rightarrow \boxed{\text{U}}$

$7 \times 7 = \square \rightarrow \boxed{\text{K}}$

$5 \times 5 = \square \rightarrow \boxed{\text{D}}$

$9 \times 9 = \square \rightarrow \boxed{\text{M}}$

$7 \times 8 = \square \rightarrow \boxed{\text{S}}$

Scratch space:

CLUE 3

Multi-step word problems

We had to calculate the total gold earned over multiple turns of buying and selling powerups.

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

Someone scared the villain off with

I									A		S	W			S
90	11	33	78	12	12	42	33	32	11			42	12		

Blook Guide filled 9 boxes with 2 defense towers each, then found 72 more defense towers. How many defense towers are there in all?

Answer: → **I**

Blook Guide earned 2 gold tokens in each of 6 rounds, plus 34 bonus gold tokens. Then 4 gold tokens were lost. How many gold tokens are left?

Answer: → **E**

There were 201 gold tokens in all. 9 gold tokens were set aside. The rest were shared equally among 6 Trivia Club. How many gold tokens did each get?

Answer: → **T**

Blook Guide filled 4 boxes with 8 toy shields each, then found 46 more toy shields. How many toy shields are there in all?

Answer: → **O**

There were 144 trivia questions in all. 4 Trivia Club used 25 trivia questions each. The other 4 Trivia Club shared the rest equally. How many trivia questions did each of the other Trivia Club get?

Answer: → **N**

There were 100 score multipliers in all. 4 score multipliers were set aside. The rest were shared equally among 8 Trivia Club. How many score multipliers did each get?

Answer: → **R**

Blook Guide collected 185 defense towers in the morning and 13 defense towers in the afternoon, then split them equally among 6 Trivia Club. How many defense towers did each get?

Answer: → **C**

Scratch space:

CLUE 4

Order of operations

Solving the server's lock code required evaluating operations in the exact correct order.

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

W																	
74	26	45	68	43	54	41	12	39	56	33	68	45	34	9	39	54	25

			W	
29	55	68	74	54

$9 \times 11 - 25 = \boxed{} \rightarrow \boxed{W}$

$5 + 9 \times 4 = \boxed{} \rightarrow \boxed{D}$

$50 + 2 \times 3 = \boxed{} \rightarrow \boxed{T}$

$5 \times 8 - 7 = \boxed{} \rightarrow \boxed{S}$

$60 + 4 \times 2 = \boxed{} \rightarrow \boxed{O}$

$10 \times 4 - 14 = \boxed{} \rightarrow \boxed{E}$

$8 \times 7 - 17 = \boxed{} \rightarrow \boxed{I}$

$1 + 6 \times 7 = \boxed{} \rightarrow \boxed{U}$

$8 \times 4 - 3 = \boxed{} \rightarrow \boxed{C}$

$17 + 2 \times 4 = \boxed{} \rightarrow \boxed{K}$

$35 + 4 \times 5 = \boxed{} \rightarrow \boxed{R}$

$22 + 6 \times 2 = \boxed{} \rightarrow \boxed{A}$

$4 + 2 \times 4 = \boxed{} \rightarrow \boxed{B}$

$9 \times 7 - 9 = \boxed{} \rightarrow \boxed{N}$

$12 \times 4 - 3 = \boxed{} \rightarrow \boxed{F}$

$1 + 4 \times 2 = \boxed{} \rightarrow \boxed{P}$

Scratch space:

CLUE 5**Fractions of a number - the last clue**

The detective calculated what fraction of the leftover tokens belonged to the hacker.

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:

$4/10 \text{ of } 5 = \boxed{}$

$4/8 \text{ of } 24 = \boxed{}$

$2/4 \text{ of } 6 = \boxed{}$

$8/10 \text{ of } 10 = \boxed{}$

$1/6 \text{ of } 36 = \boxed{}$

$1/2 \text{ of } 2 = \boxed{}$

$2/6 \text{ of } 15 = \boxed{}$

$2/6 \text{ of } 21 = \boxed{}$

$1/2 \text{ of } 22 = \boxed{}$

$2/3 \text{ of } 15 = \boxed{}$

$2/6 \text{ of } 12 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain served burnt toast in the cafe, then spun the fast wheel.
2. The villain placed a level five defense tower, then shielded their points.
3. The villain tossed dino fossils at the leaderboard, then tripled the score.
4. The villain stole gold from players, then tripled the score.
5. The villain stole gold from players, then shielded their points.
6. The villain tossed dino fossils at the leaderboard, then froze the game timer.
7. The villain stole gold from players, then froze the game timer.
8. The villain tossed dino fossils at the leaderboard, then opened a giant chest.
9. The villain hacked the token crypto balance, then tripled the score.
10. The villain tossed dino fossils at the leaderboard, then shielded their points.
11. The villain served burnt toast in the cafe, then shielded their points.
12. The villain placed a level five defense tower, then spun the fast wheel.

Answer Key

The Great Blooket Server Hack

Culprit: Witch Blook

crypto hacking · triple multipliers · left mouse click · pink crown · incorrect answers

Trail: Start 21 → Clue 1 15 → Clue 2 8 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Fractions of a number): "THE VILLAIN DOES NOT USE FREEZE SPELLS"

$3/6$ of 32 = 16 (T) · $2/10$ of 95 = 19 (A) · $1/10$ of 90 = 9 (D) · $3/6$ of 56 = 28 (F) · $1/4$ of 140 = 35 (S) · $3/10$ of 60 = 18 (U) · $8/10$ of 30 = 24 (I) · $1/4$ of 152 = 38 (E) · $1/4$ of 100 = 25 (L) · $2/10$ of 195 = 39 (H) · $2/10$ of 110 = 22 (V) · $5/10$ of 68 = 34 (Z) · $2/6$ of 51 = 17 (N) · $5/10$ of 10 = 5 (R) · $3/5$ of 5 = 3 (P) · $1/3$ of 81 = 27 (O)

Clue 2 (Multiplication facts (1-12)): "THE GLITCH USED A LEFT MOUSE CLICK"

$1 \times 4 = 4$ (T) · $10 \times 10 = 100$ (A) · $10 \times 7 = 70$ (L) · $11 \times 5 = 55$ (G) · $8 \times 10 = 80$ (C) · $6 \times 7 = 42$ (O) · $9 \times 3 = 27$ (I) · $3 \times 1 = 3$ (H) · $8 \times 8 = 64$ (F) · $1 \times 1 = 1$ (E) · $9 \times 8 = 72$ (U) · $7 \times 7 = 49$ (K) · $5 \times 5 = 25$ (D) · $9 \times 9 = 81$ (M) · $7 \times 8 = 56$ (S)

Clue 3 (Multi-step word problems): "INCORRECT ANSWERS"

Blook Guide filled 9 boxes with 2 defense towers each, then found 72 more defense towers. How many defense towers are there in all? = 90 (I) · Blook Guide earned 2 gold tokens in each of 6 rounds, plus 34 bonus gold tokens. Then 4 gold tokens were lost. How many gold tokens are left? = 42 (E) · There were 201 gold tokens in all. 9 gold tokens were set aside. The rest were shared equally among 6 Trivia Club. How many gold tokens did each get? = 32 (T) · Blook Guide filled 4 boxes with 8 toy shields each, then found 46 more toy shields. How many toy shields are there in all? = 78 (O) · There were 144 trivia questions in all. 4 Trivia Club used 25 trivia questions each. The other 4 Trivia Club shared the rest equally. How many trivia questions did each of the other Trivia Club get? = 11 (N) · There were 100 score multipliers in all. 4 score multipliers were set aside. The rest were shared equally among 8 Trivia Club. How many score multipliers did each get? = 12 (R) · Blook Guide collected 185 defense towers in the morning and 13 defense towers in the afternoon, then split them equally among 6 Trivia Club. How many defense towers did each get? = 33 (C)

Clue 4 (Order of operations): "WE FOUND BITS OF A PINK CROWN"

$9 \times 11 - 25 = 74$ (W) · $5 + 9 \times 4 = 41$ (D) · $50 + 2 \times 3 = 56$ (T) · $5 \times 8 - 7 = 33$ (S) · $60 + 4 \times 2 = 68$ (O) · $10 \times 4 - 14 = 26$ (E) · $8 \times 7 - 17 = 39$ (I) · $1 + 6 \times 7 = 43$ (U) · $8 \times 4 - 3 = 29$ (C) · $17 + 2 \times 4 = 25$ (K) · $35 + 4 \times 5 = 55$ (R) · $22 + 6 \times 2 = 34$ (A) · $4 + 2 \times 4 = 12$ (B) · $9 \times 7 - 9 = 54$ (N) · $12 \times 4 - 3 = 45$ (F) · $1 + 4 \times 2 = 9$ (P)

Clue 5 (Fractions of a number): surviving statement is box 9 → Witch Blook

$4/10$ of 5 = 2 · $4/8$ of 24 = 12 · $2/4$ of 6 = 3 · $8/10$ of 10 = 8 · $1/6$ of 36 = 6 · $1/2$ of 2 = 1 · $2/6$ of 15 = 5 · $2/6$ of 21 = 7 · $1/2$ of 22 = 11 · $2/3$ of 15 = 10 · $2/6$ of 12 = 4