



The Sky Arena Glitch

Grade 5 math · Addition, Subtraction, Fractions of a number, Multiplication · Reading level grades 5-6

Detective: _____ **Date:** _____

Someone hacked the Bedwars server right before the grand showdown between ic0mu and Big Papi! The championship trophy is missing and replaced with a weird glitched block. Help ic0mu scan the arena and find the hacker before the lobby shuts down.

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 champion is _____

Possible suspects

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

NAME	COMBAT CLASS	LOBBY BADGE	CONTROLLER SETUP	AVATAR HELMET	GAME GLITCH
PixelHero	Star Collector	Ruby Rank	Left-handed claw grip	Neon Blue Visor	Lava Trap
GreenBean	Builder Knight	Emerald Badge	Right-handed thumb grip	Spiky Orange Band	Void Fall
ic0mu	Void Warrior	Gold Crown	Left-handed claw grip	Cyber Green Cap	Water Splash
MiniBloxia	Bounty Hunter	Ruby Rank	Left-handed claw grip	Neon Blue Visor	Water Splash
VoidWalker	Star Collector	Diamond Shield	Right-handed thumb grip	Neon Blue Visor	Water Splash
Buur	Bounty Hunter	Ruby Rank	Left-handed claw grip	Spiky Orange Band	Lava Trap
Foltyn	Bounty Hunter	Diamond Shield	Left-handed claw grip	Cyber Green Cap	Water Splash
Socksfor1	Yeti Rider	Ruby Rank	Left-handed claw grip	Cyber Green Cap	Void Fall
Bandites	Star Collector	Ruby Rank	Right-handed thumb grip	Neon Blue Visor	Lava Trap
TanqR	Builder Knight	Gold Crown	Left-handed claw grip	Neon Blue Visor	Water Splash
SkyRunner	Builder Knight	Ruby Rank	Right-handed thumb grip	Cyber Green Cap	Water Splash
Starless	Yeti Rider	Ruby Rank	Left-handed claw grip	Cyber Green Cap	Water Splash
Big Papi	Void Warrior	Onyx Trophy	Right-handed thumb grip	Neon Blue Visor	Void Fall
Chrono	Builder Knight	Onyx Trophy	Left-handed claw grip	Neon Blue Visor	Water Splash
CaptainJack	Bounty Hunter	Ruby Rank	Left-handed claw grip	Cyber Green Cap	Lava Trap
CyberSlayer	Builder Knight	Onyx Trophy	Right-handed thumb grip	Cyber Green Cap	Lava Trap
RedPanda	Star Collector	Diamond Shield	Right-handed thumb grip	Cyber Green Cap	Lava Trap
TapWater	Yeti Rider	Emerald Badge	Right-handed thumb grip	Cyber Green Cap	Lava Trap
DinoBoy	Builder Knight	Diamond Shield	Left-handed claw grip	Neon Blue Visor	Water Splash
LaserTag	Star Collector	Ruby Rank	Left-handed claw grip	Neon Blue Visor	Water Splash
DVplays	Yeti Rider	Gold Crown	Left-handed claw grip	Cyber Green Cap	Lava Trap

CLUE 1 Addition

The arena helpers counted up the leftover copper blocks. They added the first pile to the second pile to find the total.

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

T																	T
3258	9599	8567	2336	2329	4467	4467	7483	2329	3113	3783	8983	8567	2895	3113	8983	3258	

				T						T						
9599	7483	2336	8567	3258	9599	8567	8983	3113	2639	5095	3258	8342	8983	2897	9599	2639

1746 + 1512 = → T	5393 + 3590 = → O	1559 + 3536 = → X
5765 + 3834 = → H	2597 + 5970 = → E	1178 + 1158 = → V
1781 + 2686 = → L	1615 + 714 = → I	5448 + 2894 = → R
5138 + 2345 = → A	1330 + 1565 = → S	1171 + 1942 = → N
1170 + 1727 = → P	1782 + 857 = → Y	2173 + 1610 = → D

Scratch space:

CLUE 2
Subtraction

A glitch drained the shield generator. The tech crew subtracted the lost charge from the maximum energy level to see what remained.

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

T									T										T
3172	8456	6249	2174	7072	2174	3490	6249	6230	3172	7072	2174	6249	7999	4634	4005	6249	5155	3172	
8456	4634	2582	7999	6249	7999	6230	4005	4634	4132	6454	5310	4263	3490						

$3780 - 608 = \square \rightarrow \text{[T]}$

$4874 - 611 = \square \rightarrow \text{[I]}$

$6077 - 2072 = \square \rightarrow \text{[L]}$

$9244 - 788 = \square \rightarrow \text{[H]}$

$6173 - 2683 = \square \rightarrow \text{[P]}$

$8469 - 3159 = \square \rightarrow \text{[R]}$

$12703 - 4704 = \square \rightarrow \text{[D]}$

$7429 - 2795 = \square \rightarrow \text{[A]}$

$6526 - 2394 = \square \rightarrow \text{[W]}$

$7093 - 863 = \square \rightarrow \text{[C]}$

$8256 - 1802 = \square \rightarrow \text{[G]}$

$3870 - 1288 = \square \rightarrow \text{[N]}$

$8340 - 2091 = \square \rightarrow \text{[E]}$

$4813 - 2639 = \square \rightarrow \text{[S]}$

$6025 - 870 = \square \rightarrow \text{[F]}$

$9083 - 2011 = \square \rightarrow \text{[U]}$

Scratch space:

CLUE 3

Fractions of a number

To power the tracking radar, we had to take a fraction of the emerald energy crystals stored in the vault.

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

A		A							A						A				
8	26	8	3	4	12	5	15	7	8	5	20	18	4	33	4	8	3	4	18
3	20	4	37	7	38	3	30	20	4	18	33	32	4						

$$2/8 \text{ of } 32 = \boxed{} \rightarrow \boxed{\text{A}}$$

$$6/8 \text{ of } 24 = \boxed{} \rightarrow \boxed{\text{D}}$$

$$3/6 \text{ of } 8 = \boxed{} \rightarrow \boxed{\text{E}}$$

$$5/10 \text{ of } 66 = \boxed{} \rightarrow \boxed{\text{F}}$$

$$1/2 \text{ of } 24 = \boxed{} \rightarrow \boxed{\text{R}}$$

$$1/3 \text{ of } 111 = \boxed{} \rightarrow \boxed{\text{G}}$$

$$3/10 \text{ of } 10 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$1/6 \text{ of } 30 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$6/10 \text{ of } 25 = \boxed{} \rightarrow \boxed{\text{P}}$$

$$5/10 \text{ of } 14 = \boxed{} \rightarrow \boxed{\text{L}}$$

$$1/4 \text{ of } 104 = \boxed{} \rightarrow \boxed{\text{W}}$$

$$4/5 \text{ of } 40 = \boxed{} \rightarrow \boxed{\text{O}}$$

$$1/3 \text{ of } 114 = \boxed{} \rightarrow \boxed{\text{I}}$$

$$2/4 \text{ of } 60 = \boxed{} \rightarrow \boxed{\text{C}}$$

$$2/10 \text{ of } 100 = \boxed{} \rightarrow \boxed{\text{H}}$$

Scratch space:

CLUE 4
Multiplication facts (1-12)

The arena has several rows of spawn pads. Multiplying the pads in each row by the number of rows revealed the total grid size.

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

A																		
12	14	49	50	14	30	18	108	49	60	44	1	50	110	100	A	12	1	
					A													
66	50	108	14	10	12	8	8	33	49	1	21	49	14	49				

$12 \times 1 = \square \rightarrow$ A	$2 \times 7 = \square \rightarrow$ N	$10 \times 10 = \square \rightarrow$ W
$6 \times 3 = \square \rightarrow$ L	$10 \times 6 = \square \rightarrow$ V	$3 \times 10 = \square \rightarrow$ B
$7 \times 7 = \square \rightarrow$ E	$5 \times 10 = \square \rightarrow$ O	$11 \times 4 = \square \rightarrow$ I
$6 \times 11 = \square \rightarrow$ F	$1 \times 1 = \square \rightarrow$ S	$11 \times 3 = \square \rightarrow$ H
$11 \times 10 = \square \rightarrow$ R	$12 \times 9 = \square \rightarrow$ U	$8 \times 1 = \square \rightarrow$ T
$7 \times 3 = \square \rightarrow$ C	$5 \times 2 = \square \rightarrow$ D	

Scratch space:

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

Our sensors scanned the player database. We took a precise fraction of the active profiles to isolate the glitch coordinates.

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:

$1/5 \text{ of } 55 = \boxed{}$

$5/10 \text{ of } 6 = \boxed{}$

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

$1/10 \text{ of } 10 = \boxed{}$

$1/8 \text{ of } 40 = \boxed{}$

$7/8 \text{ of } 8 = \boxed{}$

$1/4 \text{ of } 16 = \boxed{}$

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

$3/5 \text{ of } 15 = \boxed{}$

$4/5 \text{ of } 15 = \boxed{}$

$2/3 \text{ of } 9 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain summons a void portal, then brandishes an onyx trophy.
2. The villain swings a digital sword, then wears a gold crown.
3. The villain builds a defensive wall, then wears a gold crown.
4. The villain builds a defensive wall, then brandishes an onyx trophy.
5. The villain builds a defensive wall, then flashes a ruby rank.
6. The villain charges up a star blaster, then brandishes an onyx trophy.
7. The villain rides a pixel yeti, then flashes a ruby rank.
8. The villain charges up a star blaster, then flashes a ruby rank.
9. The villain summons a void portal, then holds a diamond shield.
10. The villain swings a digital sword, then flashes a ruby rank.
11. The villain builds a defensive wall, then holds a diamond shield.
12. The villain rides a pixel yeti, then brandishes an onyx trophy.

Answer Key

The Sky Arena Glitch

Culprit: LaserTag

Star Collector · Ruby Rank · Left-handed claw grip · Neon Blue Visor · Water Splash

Trail: Start 21 → Clue 1 18 → Clue 2 12 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE VILLAIN DOES NOT HAVE THE ONYX TROPHY"

$1746 + 1512 = 3258$ (T) · $5393 + 3590 = 8983$ (O) · $1559 + 3536 = 5095$ (X) · $5765 + 3834 = 9599$ (H) · $2597 + 5970 = 8567$ (E) · $1178 + 1158 = 2336$ (V) · $1781 + 2686 = 4467$ (L) · $1615 + 714 = 2329$ (I) · $5448 + 2894 = 8342$ (R) · $5138 + 2345 = 7483$ (A) · $1330 + 1565 = 2895$ (S) · $1171 + 1942 = 3113$ (N) · $1170 + 1727 = 2897$ (P) · $1782 + 857 = 2639$ (Y) · $2173 + 1610 = 3783$ (D)

Clue 2 (Subtraction): "THE SUSPECT USED A LEFT HANDED CLAW GRIP"

$3780 - 608 = 3172$ (T) · $4874 - 611 = 4263$ (I) · $6077 - 2072 = 4005$ (L) · $9244 - 788 = 8456$ (H) · $6173 - 2683 = 3490$ (P) · $8469 - 3159 = 5310$ (R) · $12703 - 4704 = 7999$ (D) · $7429 - 2795 = 4634$ (A) · $6526 - 2394 = 4132$ (W) · $7093 - 863 = 6230$ (C) · $8256 - 1802 = 6454$ (G) · $3870 - 1288 = 2582$ (N) · $8340 - 2091 = 6249$ (E) · $4813 - 2639 = 2174$ (S) · $6025 - 870 = 5155$ (F) · $9083 - 2011 = 7072$ (U)

Clue 3 (Fractions of a number): "A WATER SPLASH DEFEATED THE GLITCHED FOE"

$2/8$ of 32 = 8 (A) · $6/8$ of 24 = 18 (D) · $3/6$ of 8 = 4 (E) · $5/10$ of 66 = 33 (F) · $1/2$ of 24 = 12 (R) · $1/3$ of 111 = 37 (G) · $3/10$ of 10 = 3 (T) · $1/6$ of 30 = 5 (S) · $6/10$ of 25 = 15 (P) · $5/10$ of 14 = 7 (L) · $1/4$ of 104 = 26 (W) · $4/5$ of 40 = 32 (O) · $1/3$ of 114 = 38 (I) · $2/4$ of 60 = 30 (C) · $2/10$ of 100 = 20 (H)

Clue 4 (Multiplication facts (1-12)): "A NEON BLUE VISOR WAS FOUND AT THE SCENE"

$12 \times 1 = 12$ (A) · $2 \times 7 = 14$ (N) · $10 \times 10 = 100$ (W) · $6 \times 3 = 18$ (L) · $10 \times 6 = 60$ (V) · $3 \times 10 = 30$ (B) · $7 \times 7 = 49$ (E) · $5 \times 10 = 50$ (O) · $11 \times 4 = 44$ (I) · $6 \times 11 = 66$ (F) · $1 \times 1 = 1$ (S) · $11 \times 3 = 33$ (H) · $11 \times 10 = 110$ (R) · $12 \times 9 = 108$ (U) · $8 \times 1 = 8$ (T) · $7 \times 3 = 21$ (C) · $5 \times 2 = 10$ (D)

Clue 5 (Fractions of a number): surviving statement is box 8 → LaserTag

$1/5$ of 55 = 11 · $5/10$ of 6 = 3 · $2/3$ of 15 = 10 · $1/10$ of 10 = 1 · $1/8$ of 40 = 5 · $7/8$ of 8 = 7 · $1/4$ of 16 = 4 · $2/4$ of 4 = 2 · $3/5$ of 15 = 9 · $4/5$ of 15 = 12 · $2/3$ of 9 = 6