



The Great Arena Glitch

Grade 5 math · Addition, Subtraction, Multiplication, Rounding, Division · Reading level grades 5-6

Detective: _____ Date: _____

The championship match is about to begin under the flashing stadium lights! Roblox fans, Minecraft builders, NFL superstars, and WWE giants are all packed into the mega-arena. But just before kickoff, a mysterious Glitch Saboteur swiped the golden championship trophy and locked down the locker rooms. The Head Referee Bot needs your math skills to decode the clues and find the culprit before the grand entrance music 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 Glitch Saboteur is _____

Possible suspects

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

NAME	SPECIAL MOVE	SUPER GEAR	COMBAT STANCE	AVATAR HAIR	CRITICAL GLITCH
Guest Sixty Six	Ender Pearl Pass	Spiked Cleats	Right-handed stance	Square Block Cut	Low Energy Bar
Josh Allen	Red Zone Rush	Creeper Boots	Right-handed stance	Square Block Cut	Squeaky Sneaker Sound
Roman Reigns	Diamond Shield	Spiked Cleats	Right-handed stance	Square Block Cut	Lag Spikes
Steve Minecraft	Diamond Shield	Golden Apple Armor	Right-handed stance	Spiky Neon Block	Low Energy Bar
Rey Mysterio	Chokeslam Kick	Golden Apple Armor	Right-handed stance	Spiky Neon Block	Lag Spikes
Rhea Ripley	Chokeslam Kick	Creeper Boots	Right-handed stance	Square Block Cut	Lag Spikes
Enderman Dan	Redstone Tackle	Lucky Block Helmet	Left-handed stance	Spiky Neon Block	Squeaky Sneaker Sound
Seth Rollins	Diamond Shield	Creeper Boots	Left-handed stance	Spiky Neon Block	Low Energy Bar
Randy Orton	Red Zone Rush	Championship Belt	Right-handed stance	Square Block Cut	Squeaky Sneaker Sound
Noob Player	Ender Pearl Pass	Lucky Block Helmet	Right-handed stance	Square Block Cut	Low Energy Bar
Alex Builder	Redstone Tackle	Creeper Boots	Left-handed stance	Spiky Neon Block	Squeaky Sneaker Sound
Jalen Hurts	Ender Pearl Pass	Lucky Block Helmet	Right-handed stance	Long Wrestler Locks	Squeaky Sneaker Sound
Travis Kelce	Ender Pearl Pass	Creeper Boots	Right-handed stance	Square Block Cut	Squeaky Sneaker Sound
Bianca Belair	Ender Pearl Pass	Creeper Boots	Left-handed stance	Square Block Cut	Squeaky Sneaker Sound
Patrick Mahomes	Ender Pearl Pass	Spiked Cleats	Right-handed stance	Square Block Cut	Squeaky Sneaker Sound
John Cena	Ender Pearl Pass	Creeper Boots	Left-handed stance	Long Wrestler Locks	Low Energy Bar
Herobrine Joe	Red Zone Rush	Spiked Cleats	Left-handed stance	Square Block Cut	Lag Spikes
Justin Jefferson	Red Zone Rush	Lucky Block Helmet	Right-handed stance	Long Wrestler Locks	Squeaky Sneaker Sound
Joe Burrow	Diamond Shield	Spiked Cleats	Right-handed stance	Square Block Cut	Squeaky Sneaker Sound
Becky Lynch	Redstone Tackle	Creeper Boots	Left-handed stance	Square Block Cut	Squeaky Sneaker Sound
Builderman Roblox	Diamond Shield	Creeper Boots	Right-handed stance	Spiky Neon Block	Squeaky Sneaker Sound

CLUE 1 Addition

A security bot counts the total number of pixelated blocks dropped in the end zone. Adding the piles of gear reveals a hidden data packet.

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

[illegible]

$$5846 + 2835 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$2501 + 2525 = \boxed{} \rightarrow \boxed{} \mid$$

$3809 + 3696 = \boxed{} \rightarrow \mathbf{D}$

$2224 + 1748 = \boxed{} \rightarrow \mathbf{C}$

$$5535 + 3704 = \boxed{} \rightarrow \mathbf{E}$$

$$1643 + 1408 = \boxed{} \rightarrow \mathbf{H}$$

$$1832 + 2732 = \boxed{} \rightarrow \boxed{\text{R}}$$

$$4023 + 4948 = \boxed{} \rightarrow \mathbf{M}$$

$$4207 + 3737 = \boxed{} \rightarrow \mathbf{B}$$

$1493 + 744 = \boxed{} \rightarrow \boxed{\text{S}}$

$$3540 + 1653 = \boxed{} \rightarrow \boxed{\mathbf{U}}$$

$$2360 + 1604 = \boxed{} \rightarrow \boxed{\text{W}}$$

$$3750 + 5776 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$2918 + 3708 = \boxed{} \rightarrow \mathbf{A}$$

$$5619 + 4034 = \boxed{} \rightarrow \boxed{\text{L}}$$

$3666 + 4193 = \boxed{} \rightarrow \boxed{\text{P}}$

$$2093 + 1396 = \boxed{} \rightarrow \boxed{0}$$

Scratch space:

CLUE 2 Subtraction

The referee checks the championship stadium gate. Subtracting the sold stadium VIP tickets from the total capacity reveals a secret locker door code.

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

T															
7627	6393	2110	2886	7112	2886	7444	2110	7151	7627	7112	2886	2110	7811	5689	

				T									T					
3301	3080	8640	6393	7627	6393	5689	3017	7811	2110	7811	2886	7627	5689	3017	7151	2110		

8595 - 968 = → T	8034 - 2345 = → A	7402 - 251 = → C
8347 - 1954 = → H	12097 - 4286 = → D	8015 - 903 = → U
5213 - 3103 = → E	10755 - 2115 = → G	3523 - 443 = → I
6271 - 3254 = → N	7163 - 4277 = → S	6939 - 3638 = → R
8401 - 957 = → P		

Scratch space:

CLUE 3

Multiplication facts (1-12)

The grand stage lights flicker in perfectly even patterns. Multiplying the rows and columns of energy pods reveals a strange tracking frequency.

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

W																		
99	132	2	132	96	35	55	96	120	70	49	55	64	80	49	132	96	7	3
64	100	132	96	7	132	35	64	70	49	100	55							

$11 \times 9 = \square \rightarrow \boxed{W}$

$10 \times 12 = \square \rightarrow \boxed{L}$

$7 \times 10 = \square \rightarrow \boxed{O}$

$7 \times 7 = \square \rightarrow \boxed{U}$

$1 \times 2 = \square \rightarrow \boxed{H}$

$12 \times 8 = \square \rightarrow \boxed{A}$

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

$7 \times 1 = \square \rightarrow \boxed{K}$

$8 \times 10 = \square \rightarrow \boxed{Q}$

$10 \times 10 = \square \rightarrow \boxed{N}$

$5 \times 7 = \square \rightarrow \boxed{R}$

$11 \times 12 = \square \rightarrow \boxed{E}$

$1 \times 3 = \square \rightarrow \boxed{Y}$

$11 \times 5 = \square \rightarrow \boxed{D}$

Scratch space:

CLUE 4 Rounding

The digital scoreboard glitched and only shows rounded numbers. Rounding the field-goal yardage to the nearest ten reveals the suspect's coordinate.

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

T													T	
230	2000	110	1700	3700	2300	900	370	900	290	90	110	1100	230	900

												T					
7000	50	3700	900	1700	110	4300	90	170	500	5000	500	3700	230	2000	900	2900	1700

Round 229 to the nearest ten → **T**

Round 3,667 to the nearest hundred → **U**

Round 292 to the nearest ten → **Y**

Round 4,267 to the nearest hundred → **B**

Round 7,003 to the nearest thousand → **S**

Round 49 to the nearest ten → **Q**

Round 940 to the nearest hundred → **A**

Round 113 to the nearest ten → **E**

Round 545 to the nearest hundred → **C**

Round 1,058 to the nearest hundred → **F**

Round 2,246 to the nearest thousand → **H**

Round 87 to the nearest ten → **L**

Round 1,703 to the nearest hundred → **R**

Round 5,290 to the nearest thousand → **K**

Round 2,349 to the nearest hundred → **N**

Round 167 to the nearest ten → **O**

Round 2,881 to the nearest hundred → **I**

Round 372 to the nearest ten → **W**

Scratch space:

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

The coach divides the digital golden apples evenly among the remaining players. Sharing the items reveals the final escape route.

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:

$12 \div 1 = \boxed{}$

$6 \div 1 = \boxed{}$

$54 \div 6 = \boxed{}$

$33 \div 3 = \boxed{}$

$24 \div 3 = \boxed{}$

$18 \div 9 = \boxed{}$

$8 \div 8 = \boxed{}$

$5 \div 1 = \boxed{}$

$27 \div 9 = \boxed{}$

$60 \div 6 = \boxed{}$

$44 \div 11 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain blasts a red zone rush, then grabs the golden apple armor.
2. The villain performs a redstone tackle, then polishes the championship belt.
3. The villain throws an ender pearl pass, then polishes the championship belt.
4. The villain unleashes a chokeslam kick, then charges the creeper boots.
5. The villain blasts a red zone rush, then opens a lucky block helmet.
6. The villain summons a diamond shield, then laces up the spiked cleats.
7. The villain throws an ender pearl pass, then laces up the spiked cleats.
8. The villain summons a diamond shield, then charges the creeper boots.
9. The villain throws an ender pearl pass, then charges the creeper boots.
10. The villain blasts a red zone rush, then polishes the championship belt.
11. The villain unleashes a chokeslam kick, then opens a lucky block helmet.
12. The villain blasts a red zone rush, then charges the creeper boots.

Answer Key

The Great Arena Glitch

Culprit: Patrick Mahomes

Ender Pearl Pass · Spiked Cleats · Right-handed stance · Square Block Cut · Squeaky Sneaker Sound

Trail: Start 21 → Clue 1 20 → Clue 2 13 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE CULPRIT DOES NOT WEAR A CHAMPIONSHIP BELT"

$5846 + 2835 = 8681$ (T) · $2501 + 2525 = 5026$ (I) · $3809 + 3696 = 7505$ (D) · $2224 + 1748 = 3972$ (C) · $5535 + 3704 = 9239$ (E) · $1643 + 1408 = 3051$ (H) · $1832 + 2732 = 4564$ (R) · $4023 + 4948 = 8971$ (M) · $4207 + 3737 = 7944$ (B) · $1493 + 744 = 2237$ (S) · $3540 + 1653 = 5193$ (U) · $2360 + 1604 = 3964$ (W) · $3750 + 5776 = 9526$ (N) · $2918 + 3708 = 6626$ (A) · $5619 + 4034 = 9653$ (L) · $3666 + 4193 = 7859$ (P) · $2093 + 1396 = 3489$ (O)

Clue 2 (Subtraction): "THE SUSPECT USED A RIGHT HANDED STANCE"

$8595 - 968 = 7627$ (T) · $8034 - 2345 = 5689$ (A) · $7402 - 251 = 7151$ (C) · $8347 - 1954 = 6393$ (H) · $12097 - 4286 = 7811$ (D) · $8015 - 903 = 7112$ (U) · $5213 - 3103 = 2110$ (E) · $10755 - 2115 = 8640$ (G) · $3523 - 443 = 3080$ (I) · $6271 - 3254 = 3017$ (N) · $7163 - 4277 = 2886$ (S) · $6939 - 3638 = 3301$ (R) · $8401 - 957 = 7444$ (P)

Clue 3 (Multiplication facts (1-12)): "WE HEARD A LOUD SQUEAKY SNEAKER SOUND"

$11 \times 9 = 99$ (W) · $10 \times 12 = 120$ (L) · $7 \times 10 = 70$ (O) · $7 \times 7 = 49$ (U) · $1 \times 2 = 2$ (H) · $12 \times 8 = 96$ (A) · $8 \times 8 = 64$ (S) · $7 \times 1 = 7$ (K) · $8 \times 10 = 80$ (Q) · $10 \times 10 = 100$ (N) · $5 \times 7 = 35$ (R) · $11 \times 12 = 132$ (E) · $1 \times 3 = 3$ (Y) · $11 \times 5 = 55$ (D)

Clue 4 (Rounding): "THE RUNAWAY LEFT A SQUARE BLOCK CUT HAIR"

Round 229 to the nearest ten = 230 (T) · Round 3,667 to the nearest hundred = 3700 (U) · Round 292 to the nearest ten = 290 (Y) · Round 4,267 to the nearest hundred = 4300 (B) · Round 7,003 to the nearest thousand = 7000 (S) · Round 49 to the nearest ten = 50 (Q) · Round 940 to the nearest hundred = 900 (A) · Round 113 to the nearest ten = 110 (E) · Round 545 to the nearest hundred = 500 (C) · Round 1,058 to the nearest hundred = 1100 (F) · Round 2,246 to the nearest thousand = 2000 (H) · Round 87 to the nearest ten = 90 (L) · Round 1,703 to the nearest hundred = 1700 (R) · Round 5,290 to the nearest thousand = 5000 (K) · Round 2,349 to the nearest hundred = 2300 (N) · Round 167 to the nearest ten = 170 (O) · Round 2,881 to the nearest hundred = 2900 (I) · Round 372 to the nearest ten = 370 (W)

Clue 5 (Division facts (1-12)): surviving statement is box 7 → Patrick Mahomes

$12 \div 1 = 12$ · $6 \div 1 = 6$ · $54 \div 6 = 9$ · $33 \div 3 = 11$ · $24 \div 3 = 8$ · $18 \div 9 = 2$ · $8 \div 8 = 1$ · $5 \div 1 = 5$ · $27 \div 9 = 3$ · $60 \div 6 = 10$ · $44 \div 11 = 4$