



The Golden Bloxy Heist

Grade 5 math · Place value, Subtraction, Addition, Multiplication, Division · Reading level grades 3-4

Detective: _____ **Date:** _____

Oh no! Someone hacked into the Robloxia master server and stole the legendary Golden Bloxy Award! Builderman needs your help. We must search the digital grid, solve the math puzzles, and track down the culprit before the entire platform crashes!

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 Hacker is _____

Possible suspects

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

NAME	AVATAR GEAR	BACKPACK ITEM	GAMING SETUP	AVATAR HAIR	GAME GLITCH
Guest666	Jetpack Fly	Golden Sword	Right Handed Mouse	Blue Beautiful Hair	Lava Brick Floor
DenisDaily	Speed Coil Run	Rainbow Ride	Right Handed Mouse	Blue Beautiful Hair	Oof Sound Effect
KreekCraft	Sword Fight Slice	Rainbow Ride	Left Handed Mouse	Classic Spiky Hair	Oof Sound Effect
BloxyDev	Freeze Ray Blast	Rainbow Ride	Right Handed Mouse	Bacon Hair	Respawn Button
Shedletsky	Jetpack Fly	Rainbow Ride	Left Handed Mouse	Blue Beautiful Hair	Respawn Button
ItsFunneh	Freeze Ray Blast	Golden Sword	Right Handed Mouse	Classic Spiky Hair	Lava Brick Floor
AdoptFan	Freeze Ray Blast	Golden Sword	Right Handed Mouse	Bacon Hair	Oof Sound Effect
MeganPlays	Jetpack Fly	Pizza Box Shield	Right Handed Mouse	Blue Beautiful Hair	Lava Brick Floor
PiggyPlayer	Gravity Coil Jump	Glitch Wings	Right Handed Mouse	Blue Beautiful Hair	Lava Brick Floor
CreeperKid	Freeze Ray Blast	Rainbow Ride	Right Handed Mouse	Blue Beautiful Hair	Oof Sound Effect
InquisitorMaster	Jetpack Fly	Pizza Box Shield	Right Handed Mouse	Bacon Hair	Lava Brick Floor
Flamingo	Freeze Ray Blast	Golden Sword	Right Handed Mouse	Blue Beautiful Hair	Oof Sound Effect
TycoonBoss	Sword Fight Slice	Pizza Box Shield	Right Handed Mouse	Classic Spiky Hair	Lava Brick Floor
PrestonPlayz	Sword Fight Slice	Pizza Box Shield	Left Handed Mouse	Blue Beautiful Hair	Lava Brick Floor
ScriptLord	Gravity Coil Jump	Neon Dog Pet	Right Handed Mouse	Bacon Hair	Lava Brick Floor
Builderman	Sword Fight Slice	Neon Dog Pet	Left Handed Mouse	Classic Spiky Hair	Lava Brick Floor
NoobMaster	Sword Fight Slice	Pizza Box Shield	Left Handed Mouse	Classic Spiky Hair	Oof Sound Effect
LeahAshe	Gravity Coil Jump	Golden Sword	Left Handed Mouse	Classic Spiky Hair	Lava Brick Floor
DominoKnight	Freeze Ray Blast	Rainbow Ride	Right Handed Mouse	Blue Beautiful Hair	Lava Brick Floor
PizzaBaker	Speed Coil Run	Glitch Wings	Right Handed Mouse	Classic Spiky Hair	Oof Sound Effect
Telamon	Speed Coil Run	Pizza Box Shield	Right Handed Mouse	Blue Beautiful Hair	Lava Brick Floor

CLUE 1

We found a locked digital vault on the master server. The locked screen is showing giant high scores, and we must work out the place value of the flashing digit to unlock the first clues.

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

2000 30 80 9000 400 6000 6000 800 400 100 700 60 80 600 100 60 2000

30 800 9000 80 10 6000 400 2000 50 30 4000 400 100 10 600

What is the value of the 2 in 12,771? → **T**

What is the value of the 3 in 464,237? → **H**

What is the value of the 6 in 946,397? → **L**

What is the value of the 8 in 39,287? → **E**

What is the value of the 9 in 279,063? → **V**

What is the value of the 4 in 94,523? → **W**

What is the value of the 8 in 51,870? → **A**

What is the value of the 7 in 585,760? → **D**

What is the value of the 6 in 940,639? → **S**

What is the value of the 4 in 52,489? →

What is the value of the 5 in 722,357? → **C**

What is the value of the 6 in 72,161? → ☐

What is the value of the 1 in 29,416? → **G**

What is the value of the 1 in 992,199? → **N**

Scratch space:

CLUE 2 Subtraction

The Glitch Hacker deleted some of our server memory files to slow us down! We need to subtract the ruined files from our starting total to find the server path.

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

T						T									
3013	7238	6643	8655	6674	2630	3013	1590	7238	6643	4539	2869	3803	6643	8182	4712

				T											
4539	2630	8655	7238	3013	7238	4712	7162	8182	6643	8182	3878	3790	2869	3803	6643

$7874 - 4861 = \square \rightarrow \boxed{\text{T}}$

$7077 - 4208 = \square \rightarrow \boxed{\text{U}}$

$7666 - 2954 = \square \rightarrow \boxed{\text{A}}$

$10234 - 3591 = \square \rightarrow \boxed{\text{E}}$

$11522 - 4360 = \square \rightarrow \boxed{\text{N}}$

$12236 - 3581 = \square \rightarrow \boxed{\text{G}}$

$10604 - 3930 = \square \rightarrow \boxed{\text{L}}$

$7329 - 91 = \square \rightarrow \boxed{\text{H}}$

$5693 - 1890 = \square \rightarrow \boxed{\text{S}}$

$4048 - 258 = \square \rightarrow \boxed{\text{O}}$

$6122 - 3492 = \square \rightarrow \boxed{\text{I}}$

$4963 - 424 = \square \rightarrow \boxed{\text{R}}$

$1599 - 9 = \square \rightarrow \boxed{\text{C}}$

$4659 - 781 = \square \rightarrow \boxed{\text{M}}$

$9749 - 1567 = \square \rightarrow \boxed{\text{D}}$

Scratch space:

CLUE 3 Addition

To build a glowing bridge across the broken obby, we must add up all the spare brick piles we can find in the game code.

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

T											T							
3387	2899	9613	3839	7166	3656	3656	4123	7166	8441	3387	4664	7166	3935	3935	9613	5977	3542	8441
3656	4123	3839	4123	4888	4664	7166	8536	9617	5173									

$1370 + 2017 = \boxed{} \rightarrow \boxed{\text{T}}$

$1289 + 1610 = \boxed{} \rightarrow \boxed{\text{H}}$

$2349 + 1586 = \boxed{} \rightarrow \boxed{\text{P}}$

$2213 + 2960 = \boxed{} \rightarrow \boxed{\text{S}}$

$1804 + 3084 = \boxed{} \rightarrow \boxed{\text{B}}$

$3232 + 6381 = \boxed{} \rightarrow \boxed{\text{E}}$

$3513 + 5023 = \boxed{} \rightarrow \boxed{\text{C}}$

$2276 + 1266 = \boxed{} \rightarrow \boxed{\text{O}}$

$4036 + 1941 = \boxed{} \rightarrow \boxed{\text{D}}$

$3207 + 1457 = \boxed{} \rightarrow \boxed{\text{R}}$

$6359 + 3258 = \boxed{} \rightarrow \boxed{\text{K}}$

$2227 + 1612 = \boxed{} \rightarrow \boxed{\text{V}}$

$3781 + 4660 = \boxed{} \rightarrow \boxed{\text{N}}$

$2098 + 1558 = \boxed{} \rightarrow \boxed{\text{L}}$

$2947 + 4219 = \boxed{} \rightarrow \boxed{\text{I}}$

$1772 + 2351 = \boxed{} \rightarrow \boxed{\text{A}}$

Scratch space:

CLUE 4

Multiplication facts (1-12)

The hacker blocked the main game portal with rows of solid neon crates. We can multiply the rows by the columns to see how many code blocks we need to break.

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

A							A									A		
56	9	70	4	99	9	99	56	4	66	22	96	4	70	27	56	22	54	

	A											
32	56	49	70	99	96	66	9	99	27	22	60	45

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

$11 \times 2 = \square \rightarrow \boxed{\text{I}}$

$5 \times 12 = \square \rightarrow \boxed{\text{N}}$

$8 \times 12 = \square \rightarrow \boxed{\text{F}}$

$6 \times 9 = \square \rightarrow \boxed{\text{R}}$

$11 \times 6 = \square \rightarrow \boxed{\text{T}}$

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

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

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

$4 \times 8 = \square \rightarrow \boxed{\text{W}}$

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

$9 \times 5 = \square \rightarrow \boxed{\text{D}}$

$9 \times 11 = \square \rightarrow \boxed{\text{E}}$

$1 \times 9 = \square \rightarrow \boxed{\text{B}}$

Scratch space:

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

We made it past the final firewall! To power down the villain's mainframe, we must divide our battery cells equally among the five server plugs.

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:

$30 \div 5 = \boxed{}$

$88 \div 8 = \boxed{}$

$33 \div 11 = \boxed{}$

$96 \div 8 = \boxed{}$

$16 \div 8 = \boxed{}$

$36 \div 9 = \boxed{}$

$24 \div 3 = \boxed{}$

$42 \div 6 = \boxed{}$

$100 \div 10 = \boxed{}$

$50 \div 10 = \boxed{}$

$27 \div 3 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain flies with a jetpack, then swings a golden sword.
2. The villain flies with a jetpack, then spreads glitch wings.
3. The villain flies with a jetpack, then blocks with a pizza box shield.
4. The villain jumps with a gravity coil, then blocks with a pizza box shield.
5. The villain blasts a freeze ray, then swings a golden sword.
6. The villain blasts a freeze ray, then speeds away on a rainbow ride.
7. The villain flies with a jetpack, then summons a neon dog pet.
8. The villain slices with a sword, then swings a golden sword.
9. The villain blasts a freeze ray, then blocks with a pizza box shield.
10. The villain slices with a sword, then blocks with a pizza box shield.
11. The villain runs with a speed coil, then blocks with a pizza box shield.
12. The villain jumps with a gravity coil, then summons a neon dog pet.

Answer Key

The Golden Bloxy Heist

Culprit: Guest666

Jetpack Fly · Golden Sword · Right Handed Mouse · Blue Beautiful Hair · Lava Brick Floor

Trail: Start 21 → Clue 1 19 → Clue 2 13 → Clue 3 8 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE VILLAIN DOES NOT HAVE GLITCH WINGS"

What is the value of the 2 in 12,771? = 2000 (T) · What is the value of the 3 in 464,237? = 30 (H) · What is the value of the 6 in 946,397? = 6000 (L) · What is the value of the 8 in 39,287? = 80 (E) · What is the value of the 9 in 279,063? = 9000 (V) · What is the value of the 4 in 94,523? = 4000 (W) · What is the value of the 8 in 51,870? = 800 (A) · What is the value of the 7 in 585,760? = 700 (D) · What is the value of the 6 in 940,639? = 600 (S) · What is the value of the 4 in 52,489? = 400 (I) · What is the value of the 5 in 722,357? = 50 (C) · What is the value of the 6 in 72,161? = 60 (O) · What is the value of the 1 in 29,416? = 10 (G) · What is the value of the 1 in 992,199? = 100 (N)

Clue 2 (Subtraction): "THE GLITCHER USED A RIGHT HANDED MOUSE"

7874 - 4861 = 3013 (T) · 7077 - 4208 = 2869 (U) · 7666 - 2954 = 4712 (A) · 10234 - 3591 = 6643 (E) · 11522 - 4360 = 7162 (N) · 12236 - 3581 = 8655 (G) · 10604 - 3930 = 6674 (L) · 7329 - 91 = 7238 (H) · 5693 - 1890 = 3803 (S) · 4048 - 258 = 3790 (O) · 6122 - 3492 = 2630 (I) · 4963 - 424 = 4539 (R) · 1599 - 9 = 1590 (C) · 4659 - 781 = 3878 (M) · 9749 - 1567 = 8182 (D)

Clue 3 (Addition): "THE VILLAIN TRIPPED ON LAVA BRICKS"

1370 + 2017 = 3387 (T) · 1289 + 1610 = 2899 (H) · 2349 + 1586 = 3935 (P) · 2213 + 2960 = 5173 (S) · 1804 + 3084 = 4888 (B) · 3232 + 6381 = 9613 (E) · 3513 + 5023 = 8536 (C) · 2276 + 1266 = 3542 (O) · 4036 + 1941 = 5977 (D) · 3207 + 1457 = 4664 (R) · 6359 + 3258 = 9617 (K) · 2227 + 1612 = 3839 (V) · 3781 + 4660 = 8441 (N) · 2098 + 1558 = 3656 (L) · 2947 + 4219 = 7166 (I) · 1772 + 2351 = 4123 (A)

Clue 4 (Multiplication facts (1-12)): "A BLUE BEAUTIFUL HAIR WAS LEFT BEHIND"

7 × 8 = 56 (A) · 11 × 2 = 22 (I) · 5 × 12 = 60 (N) · 8 × 12 = 96 (F) · 6 × 9 = 54 (R) · 11 × 6 = 66 (T) · 4 × 1 = 4 (U) · 7 × 7 = 49 (S) · 9 × 3 = 27 (H) · 4 × 8 = 32 (W) · 10 × 7 = 70 (L) · 9 × 5 = 45 (D) · 9 × 11 = 99 (E) · 1 × 9 = 9 (B)

Clue 5 (Division facts (1-12)): surviving statement is box 1 → Guest666

30 ÷ 5 = 6 · 88 ÷ 8 = 11 · 33 ÷ 11 = 3 · 96 ÷ 8 = 12 · 16 ÷ 8 = 2 · 36 ÷ 9 = 4 · 24 ÷ 3 = 8 · 42 ÷ 6 = 7 · 100 ÷ 10 = 10 · 50 ÷ 10 = 5 · 27 ÷ 3 = 9