



The Great Bloxy Award Heist

Grade 4 math · Rounding, Addition, Subtraction, Multiplication, Division · Reading level grades 3-4

Detective: _____ Date: _____

Someone snuck into Block World HQ during the annual Bloxy Awards ceremony and wiped out the trophy vault! It is up to you to decode the clues, track down the suspect, and save the festival.

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 Thief is _____

Possible suspects

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

NAME	SPECIAL ABILITY	LOOT ITEM	GRIP STYLE	AVATAR HAIR	GLITCHED BY
Badcc	Force Shield	Neon Grapple Hook	Right-Handed Tool	Neon Green Cap	Lag Spikes
CraftyClaire	Wall Climb	Pixel Sword	Left-Handed Tool	Neon Green Cap	Lag Spikes
Flamingo	Ghost Float	Rainbow Wings	Left-Handed Tool	Neon Green Cap	Lava Bricks
Lando	Speed Dash	Magic Paintbrush	Right-Handed Tool	Neon Green Cap	Lag Spikes
Chloe	Wall Climb	Golden Bloxy Trophy	Left-Handed Tool	Neon Green Cap	Lag Spikes
Megan	Super Jump	Pixel Sword	Right-Handed Tool	Neon Green Cap	Water Traps
Julia	Speed Dash	Magic Paintbrush	Left-Handed Tool	Classic Brown Messy	Water Traps
BlockyBrad	Ghost Float	Golden Bloxy Trophy	Right-Handed Tool	Spiky Blue Hair	Lag Spikes
RobloSam	Speed Dash	Rainbow Wings	Left-Handed Tool	Classic Brown Messy	Lag Spikes
Poke	Force Shield	Neon Grapple Hook	Right-Handed Tool	Spiky Blue Hair	Water Traps
Tanqr	Ghost Float	Magic Paintbrush	Right-Handed Tool	Spiky Blue Hair	Lava Bricks
ScriptedGuy	Wall Climb	Rainbow Wings	Right-Handed Tool	Classic Brown Messy	Lag Spikes
Bandi	Force Shield	Pixel Sword	Left-Handed Tool	Spiky Blue Hair	Lava Bricks
Kreek	Force Shield	Pixel Sword	Right-Handed Tool	Classic Brown Messy	Lag Spikes
Linkmon	Speed Dash	Magic Paintbrush	Left-Handed Tool	Neon Green Cap	Lava Bricks
Sketch	Force Shield	Magic Paintbrush	Right-Handed Tool	Neon Green Cap	Lag Spikes
Stickmasterluke	Speed Dash	Rainbow Wings	Right-Handed Tool	Spiky Blue Hair	Lava Bricks
PixelPete	Super Jump	Rainbow Wings	Left-Handed Tool	Spiky Blue Hair	Water Traps
Russo	Ghost Float	Golden Bloxy Trophy	Right-Handed Tool	Neon Green Cap	Lag Spikes
Telamon	Wall Climb	Pixel Sword	Right-Handed Tool	Neon Green Cap	Water Traps
Ethan	Wall Climb	Pixel Sword	Right-Handed Tool	Neon Green Cap	Lag Spikes

CLUE 1

The server security scanner rounds player visitor counts to the nearest hundred to save bandwidth.

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

The diagram illustrates a number system with three rows of boxes. The top row contains 18 boxes with the following values: 430, 700, 3000, 5000, 1700, 230, 230, 7000, 1700, 30, 2900, 200, 3000, 1100, 30, 200, 430. The middle row contains 14 boxes with the following values: 700, 7000, 5000, 3000, 7000, 30, 3000, 200, 30, 2000, 130, 7000, 900, 900, 230, 3000. The bottom row contains 4 boxes with the following values: 700, 200, 200, 70. The first and last boxes in the top row are highlighted in orange and labeled 'T'.

Round 429 to the nearest ten $\rightarrow$ **T**

Round 3,081 to the nearest thousand → **E**

Round 128 to the nearest ten $\rightarrow$ **R**

Round 227 to the nearest ten $\rightarrow$ **L**

Round 663 to the nearest hundred $\rightarrow$ **H**

Round 4,695 to the nearest thousand $\rightarrow$ **V**

Round 938 to the nearest hundred → **P**

Round 2,935 to the nearest hundred $\rightarrow$ **D**

Round 230 to the nearest hundred $\rightarrow$

Round 1,127 to the nearest hundred $\rightarrow$ **S**

Round 6,533 to the nearest thousand → **A**

Round 26 to the nearest ten → **N**

Round 1,679 to the nearest hundred $\rightarrow$

Round 1,858 to the nearest thousand → **G**

Round 72 to the nearest ten $\rightarrow$ **K**

Scratch space:

CLUE 2 Addition

You tally up all the extra Robux gems found dropped along the server hallway floor.

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

T 9134	6874	3654	6743	8974	6743	7731	3654	7160	T 9134	6874	3654	6545	2723	T 9134	6874	3654
7160	6874	3654	6743	T 9134	8042	9464	T 9134	6874	3654	8042	8017	8017	8042	9142	6874	T 9134
6874	4388	9464	2723													

$5836 + 3298 = \square \rightarrow \text{T}$	$3878 + 5586 = \square \rightarrow \text{N}$	$2134 + 2254 = \square \rightarrow \text{A}$
$3987 + 5155 = \square \rightarrow \text{G}$	$4626 + 3105 = \square \rightarrow \text{P}$	$3448 + 3295 = \square \rightarrow \text{S}$
$2773 + 4387 = \square \rightarrow \text{C}$	$1435 + 1288 = \square \rightarrow \text{D}$	$3788 + 4229 = \square \rightarrow \text{R}$
$2527 + 1127 = \square \rightarrow \text{E}$	$4359 + 2515 = \square \rightarrow \text{H}$	$2195 + 4350 = \square \rightarrow \text{L}$
$4280 + 3762 = \square \rightarrow \text{I}$	$4939 + 4035 = \square \rightarrow \text{U}$	

Scratch space:

Subtraction

You calculate how many blocky energy coins were lost from the vault during the escape.

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

4662 6952 7021 3154 6215 7021 4357 4182 2280 4357 3154 3154 4662 4370 5183 5183 7021 5143

$9398 - 4736 = \boxed{} \rightarrow \mathbf{T}$

$$9131 - 4761 = \boxed{} \rightarrow \boxed{0}$$

$5511 - 368 = \boxed{} \rightarrow \boxed{\text{D}}$

$7085 - 2728 = \boxed{} \rightarrow \boxed{\mathbf{A}}$

$6578 - 1395 = \boxed{} \rightarrow \boxed{\text{P}}$

$$4848 - 2626 = \boxed{} \rightarrow \boxed{\text{L}}$$

$9342 - 3756 = \boxed{} \rightarrow \boxed{\text{I}}$

$$6312 - 3158 = \boxed{} \rightarrow \boxed{\text{S}}$$

9566 - 4444 = → **Y**

$$9637 - 2685 = \boxed{} \rightarrow \boxed{\text{H}}$$

$4585 - 403 = \boxed{} \rightarrow \boxed{\text{K}}$

$10075 - 3054 = \boxed{} \rightarrow \boxed{\text{E}}$

$$5465 - 3185 = \boxed{} \rightarrow \boxed{\text{W}}$$

$11032 - 4817 = \boxed{} \rightarrow \boxed{\text{N}}$

$8809 - 4456 = \boxed{} \rightarrow \boxed{\text{G}}$

$$4959 - 3658 = \boxed{} \rightarrow \boxed{\mathbf{B}}$$

Scratch space:

CLUE 4
Multiplication facts (1-12)

You count the rows of digital display crates stacked inside the developer studio.

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

A																		
48	45	15	20	45	11	28	15	15	45	120	48	36	55	48	44	28	30	120

	A							A						
63	48	50	55	20	88	45	84	48	3	50	120	15	45	15

$8 \times 6 = \square \rightarrow \text{A}$

$12 \times 3 = \square \rightarrow \text{P}$

$3 \times 5 = \square \rightarrow \text{E}$

$10 \times 12 = \square \rightarrow \text{C}$

$11 \times 4 = \square \rightarrow \text{B}$

$7 \times 4 = \square \rightarrow \text{R}$

$11 \times 1 = \square \rightarrow \text{G}$

$8 \times 11 = \square \rightarrow \text{U}$

$10 \times 5 = \square \rightarrow \text{S}$

$7 \times 12 = \square \rightarrow \text{D}$

$5 \times 9 = \square \rightarrow \text{N}$

$4 \times 5 = \square \rightarrow \text{O}$

$3 \times 10 = \square \rightarrow \text{I}$

$7 \times 9 = \square \rightarrow \text{W}$

$5 \times 11 = \square \rightarrow \text{F}$

$3 \times 1 = \square \rightarrow \text{T}$

Scratch space:

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

You divide the total code tokens equally among the detective team to analyze them.

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:

$110 \div 10 = \boxed{}$

$20 \div 4 = \boxed{}$

$8 \div 1 = \boxed{}$

$18 \div 9 = \boxed{}$

$30 \div 5 = \boxed{}$

$3 \div 3 = \boxed{}$

$108 \div 12 = \boxed{}$

$6 \div 2 = \boxed{}$

$7 \div 1 = \boxed{}$

$110 \div 11 = \boxed{}$

$36 \div 3 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain used speed dash to zoom past guards, then fled with the rainbow wings.
2. The villain used force shield to block the sensors, then grabbed the golden bloxy trophy.
3. The villain used force shield to block the sensors, then stole the pixel sword.
4. The villain used force shield to block the sensors, then swiped the magic paintbrush.
5. The villain used ghost float to glide through doors, then grabbed the golden bloxy trophy.
6. The villain used super jump to leap over walls, then swiped the magic paintbrush.
7. The villain used super jump to leap over walls, then snatched the neon grapple hook.
8. The villain used speed dash to zoom past guards, then swiped the magic paintbrush.
9. The villain used super jump to leap over walls, then grabbed the golden bloxy trophy.
10. The villain used ghost float to glide through doors, then snatched the neon grapple hook.
11. The villain used wall climb to reach the roof, then stole the pixel sword.
12. The villain used speed dash to zoom past guards, then snatched the neon grapple hook.

Answer Key

The Great Bloxy Award Heist

Culprit: Sketch

Force Shield · Magic Paintbrush · Right-Handed Tool · Neon Green Cap · Lag Spikes

Trail: Start 21 → Clue 1 19 → Clue 2 11 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE VILLAIN DOES NOT HAVE A NEON GRAPPLE HOOK"

Round 429 to the nearest ten = 430 (T) · Round 3,081 to the nearest thousand = 3000 (E) · Round 128 to the nearest ten = 130 (R) · Round 227 to the nearest ten = 230 (L) · Round 663 to the nearest hundred = 700 (H) · Round 4,695 to the nearest thousand = 5000 (V) · Round 938 to the nearest hundred = 900 (P) · Round 2,935 to the nearest hundred = 2900 (D) · Round 230 to the nearest hundred = 200 (O) · Round 1,127 to the nearest hundred = 1100 (S) · Round 6,533 to the nearest thousand = 7000 (A) · Round 26 to the nearest ten = 30 (N) · Round 1,679 to the nearest hundred = 1700 (I) · Round 1,858 to the nearest thousand = 2000 (G) · Round 72 to the nearest ten = 70 (K)

Clue 2 (Addition): "THE SUSPECT HELD THE CHEST IN THEIR RIGHT HAND"

$5836 + 3298 = 9134$ (T) · $3878 + 5586 = 9464$ (N) · $2134 + 2254 = 4388$ (A) · $3987 + 5155 = 9142$ (G) · $4626 + 3105 = 7731$ (P) · $3448 + 3295 = 6743$ (S) · $2773 + 4387 = 7160$ (C) · $1435 + 1288 = 2723$ (D) · $3788 + 4229 = 8017$ (R) · $2527 + 1127 = 3654$ (E) · $4359 + 2515 = 6874$ (H) · $2195 + 4350 = 6545$ (L) · $4280 + 3762 = 8042$ (I) · $4939 + 4035 = 8974$ (U)

Clue 3 (Subtraction): "THE SNEAK WAS STOPPED BY HIGH LAG SPIKES"

$9398 - 4736 = 4662$ (T) · $9131 - 4761 = 4370$ (O) · $5511 - 368 = 5143$ (D) · $7085 - 2728 = 4357$ (A) · $6578 - 1395 = 5183$ (P) · $4848 - 2626 = 2222$ (L) · $9342 - 3756 = 5586$ (I) · $6312 - 3158 = 3154$ (S) · $9566 - 4444 = 5122$ (Y) · $9637 - 2685 = 6952$ (H) · $4585 - 403 = 4182$ (K) · $10075 - 3054 = 7021$ (E) · $5465 - 3185 = 2280$ (W) · $11032 - 4817 = 6215$ (N) · $8809 - 4456 = 4353$ (G) · $4959 - 3658 = 1301$ (B)

Clue 4 (Multiplication facts (1-12)): "A NEON GREEN CAP FABRIC WAS FOUND AT SCENE"

$8 \times 6 = 48$ (A) · $12 \times 3 = 36$ (P) · $3 \times 5 = 15$ (E) · $10 \times 12 = 120$ (C) · $11 \times 4 = 44$ (B) · $7 \times 4 = 28$ (R) · $11 \times 1 = 11$ (G) · $8 \times 11 = 88$ (U) · $10 \times 5 = 50$ (S) · $7 \times 12 = 84$ (D) · $5 \times 9 = 45$ (N) · $4 \times 5 = 20$ (O) · $3 \times 10 = 30$ (I) · $7 \times 9 = 63$ (W) · $5 \times 11 = 55$ (F) · $3 \times 1 = 3$ (T)

Clue 5 (Division facts (1-12)): surviving statement is box 4 → Sketch

$110 \div 10 = 11$ · $20 \div 4 = 5$ · $8 \div 1 = 8$ · $18 \div 9 = 2$ · $30 \div 5 = 6$ · $3 \div 3 = 1$ · $108 \div 12 = 9$ · $6 \div 2 = 3$ · $7 \div 1 = 7$ · $110 \div 11 = 10$ · $36 \div 3 = 12$