



The Robloxia Code Crash

Grade 2 math · Place value, Addition, Subtraction, Skip counting, Missing addends · Reading level grades 1-2

Detective: _____ **Date:** _____

Oh no! A mysterious Glitched Hacker came into the game server and scrambled all the code. They locked the Lead Developer out of the game! We need to find the hacker before the whole server 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 Glitched Hacker is _____

Possible suspects

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

NAME	MAIN GEAR	AVATAR HAT	CLICKING HAND	AVATAR HAIR	GAME HAZARD
Bloxxette	Bloxiade	Bacon Cap	left-handed clicker	beautiful hair	a lag spike
Telamon	Paintball Gun	Bacon Cap	left-handed clicker	beautiful hair	lava bricks
BaconHair	Pixel Sword	Dominus Hood	right-handed clicker	bacon hair	lava bricks
BloxBoy	Gravity Coil	Bear Ears	right-handed clicker	beautiful hair	a lag spike
BlockyBen	Speed Coil	Valkyrie Helm	right-handed clicker	bacon hair	lava bricks
SkyBuilder	Pixel Sword	Valkyrie Helm	left-handed clicker	beautiful hair	a lag spike
Robloxian	Gravity Coil	Black Fedora	right-handed clicker	bacon hair	lava bricks
Sparkles	Paintball Gun	Bacon Cap	right-handed clicker	beautiful hair	lava bricks
ClassicNoob	Paintball Gun	Dominus Hood	right-handed clicker	beautiful hair	a lag spike
PixelArt	Paintball Gun	Valkyrie Helm	left-handed clicker	bacon hair	a lag spike
Noob	Speed Coil	Black Fedora	left-handed clicker	beautiful hair	a lag spike
LuckyBlock	Paintball Gun	Black Fedora	right-handed clicker	beautiful hair	lava bricks
Guest	Speed Coil	Bear Ears	left-handed clicker	beautiful hair	a lag spike
Tycoonist	Paintball Gun	Dominus Hood	left-handed clicker	beautiful hair	the reset button
ObbyKing	Pixel Sword	Dominus Hood	left-handed clicker	beautiful hair	a lag spike
Builderman	Bloxiade	Valkyrie Helm	left-handed clicker	blue hair	a lag spike
David	Speed Coil	Bacon Cap	left-handed clicker	blue hair	the reset button
StarClipper	Speed Coil	Dominus Hood	right-handed clicker	blue hair	a lag spike
DevAlex	Gravity Coil	Bacon Cap	left-handed clicker	blue hair	lava bricks
Shedletsky	Gravity Coil	Dominus Hood	right-handed clicker	beautiful hair	a lag spike
Piggy	Speed Coil	Bacon Cap	right-handed clicker	beautiful hair	lava bricks

CLUE 1 Place value

We found a broken code on the server. The digits in the tens place and ones place will tell us about the culprit.

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

T																T
13	58	64	55	82	16	16	60	82	22	53	84	64	19	22	84	13
40	64	60	28	69	64	60	28	64	60	28	19					

What number has 1 ten and 3 ones?

 → **T**

What number has 2 tens and 2 ones?

 → **N**

What number has 4 tens and 0 ones?

 → **W**

What number has 8 tens and 2 ones?

 → **I**

What number has 6 tens and 4 ones?

 → **E**

What number has 6 tens and 0 ones?

 → **A**

What number has 5 tens and 3 ones?

 → **D**

What number has 6 tens and 9 ones?

 → **B**

What number has 5 tens and 8 ones?

 → **H**

What number has 2 tens and 8 ones?

 → **R**

What number has 1 ten and 6 ones?

 → **L**

What number has 1 ten and 9 ones?

 → **S**

What number has 8 tens and 4 ones?

 → **O**

What number has 5 tens and 5 ones?

 → **V**

Scratch space:

CLUE 2

Addition

The bad player stole some developer blocks. Add all the dropped blocks to find where they went next.

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

T																
72	67	59	92	88	98	98	61	88	51	28	98	88	28	26	59	24

		T		T								T				
40	88	72	67	72	67	59	88	95	98	59	39	72	67	61	51	24

$34 + 38 = \square \rightarrow \boxed{\text{T}}$

$44 + 23 = \square \rightarrow \boxed{\text{H}}$

$32 + 66 = \square \rightarrow \boxed{\text{L}}$

$13 + 27 = \square \rightarrow \boxed{\text{W}}$

$27 + 32 = \square \rightarrow \boxed{\text{E}}$

$18 + 8 = \square \rightarrow \boxed{\text{K}}$

$45 + 50 = \square \rightarrow \boxed{\text{R}}$

$11 + 13 = \square \rightarrow \boxed{\text{D}}$

$20 + 8 = \square \rightarrow \boxed{\text{C}}$

$42 + 50 = \square \rightarrow \boxed{\text{V}}$

$36 + 52 = \square \rightarrow \boxed{\text{I}}$

$20 + 31 = \square \rightarrow \boxed{\text{N}}$

$36 + 25 = \square \rightarrow \boxed{\text{A}}$

$26 + 13 = \square \rightarrow \boxed{\text{F}}$

Scratch space:

CLUE 3

Subtraction

To open the secret admin door, we have to subtract the glitched robux from the total.

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

A						A						
79	32	89	59	20	53	79	59	52	50	62	84	20

												A		
52	37	25	50	50	20	73	37	32	20	19	62	53	53	79

$115 - 36 = \square \rightarrow \text{A}$

$62 - 30 = \square \rightarrow \text{H}$

$30 - 5 = \square \rightarrow \text{O}$

$85 - 35 = \square \rightarrow \text{P}$

$113 - 40 = \square \rightarrow \text{D}$

$99 - 40 = \square \rightarrow \text{G}$

$84 - 31 = \square \rightarrow \text{L}$

$68 - 12 = \square \rightarrow \text{N}$

$76 - 24 = \square \rightarrow \text{S}$

$76 - 39 = \square \rightarrow \text{T}$

$40 - 21 = \square \rightarrow \text{V}$

$79 - 17 = \square \rightarrow \text{I}$

$128 - 39 = \square \rightarrow \text{U}$

$53 - 33 = \square \rightarrow \text{E}$

$112 - 28 = \square \rightarrow \text{K}$

Scratch space:

CLUE 4 Skip counting

The villain hopped across the obby. Count the safe glowing platforms by jumps of five to find their path.

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

B																			
12	15	90	130	42	140	33	130	110	20	90	140	18	60	90	30	110	15	33	42

B					
12	15	20	140	120	26

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, __, 14, 16 → **B**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 → **U**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, __, 100, 110 → **A**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, __, 45, 48 → **T**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, __, 28, 30 → **D**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, __, 36, 39 → **F**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, __, 120, 130 → **L**

Skip-count by 5s. Fill the blank: 5, 10, __, 20, 25 → **E**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, __, 22, 24 → **H**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, __, 150, 160 → **I**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, __, 65, 70 → **W**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, __, 20, 22 → **R**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, __, 130, 140 → **N**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, __, 35, 40

→

S

Scratch space:

CLUE 5**Missing addends - the last clue**

We need a hundred blocks to fix the game bridge. Find how many more blocks we need to finish the build.

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:

$5 + \underline{\quad} = 17$

$6 + \underline{\quad} = 9$

$8 + \underline{\quad} = 15$

$7 + \underline{\quad} = 9$

$7 + \underline{\quad} = 15$

$3 + \underline{\quad} = 13$

$10 + \underline{\quad} = 14$

$10 + \underline{\quad} = 19$

$7 + \underline{\quad} = 13$

$1 + \underline{\quad} = 6$

$9 + \underline{\quad} = 20$

Step 2 - cross out the sentence with each answer:

1. The villain uses the speed coil to zoom fast, then tips their black fedora.
2. The villain uses the speed coil to zoom fast, then straightens their valkyrie helm.
3. The villain swings a shiny pixel sword, then straightens their valkyrie helm.
4. The villain uses the gravity coil to jump high, then straightens their valkyrie helm.
5. The villain fires a splatting paintball gun, then tips their black fedora.
6. The villain fires a splatting paintball gun, then straightens their valkyrie helm.
7. The villain swings a shiny pixel sword, then pulls down their dominus hood.
8. The villain drinks a cold bloxiade, then straightens their valkyrie helm.
9. The villain swings a shiny pixel sword, then tips their black fedora.
10. The villain uses the speed coil to zoom fast, then spins their classic bacon cap.
11. The villain drinks a cold bloxiade, then pulls down their dominus hood.
12. The villain drinks a cold bloxiade, then spins their classic bacon cap.

Answer Key

The Robloxia Code Crash

Culprit: Noob

Speed Coil · Black Fedora · left-handed clicker · beautiful hair · a lag spike

Trail: Start 21 → Clue 1 19 → Clue 2 10 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE VILLAIN DOES NOT WEAR BEAR EARS"

What number has 1 ten and 3 ones? = 13 (T) · What number has 2 tens and 2 ones? = 22 (N) · What number has 4 tens and 0 ones? = 40 (W) · What number has 8 tens and 2 ones? = 82 (I) · What number has 6 tens and 4 ones? = 64 (E) · What number has 6 tens and 0 ones? = 60 (A) · What number has 5 tens and 3 ones? = 53 (D) · What number has 6 tens and 9 ones? = 69 (B) · What number has 5 tens and 8 ones? = 58 (H) · What number has 2 tens and 8 ones? = 28 (R) · What number has 1 ten and 6 ones? = 16 (L) · What number has 1 ten and 9 ones? = 19 (S) · What number has 8 tens and 4 ones? = 84 (O) · What number has 5 tens and 5 ones? = 55 (V)

Clue 2 (Addition): "THE VILLAIN CLICKED WITH THEIR LEFT HAND"

$34 + 38 = 72$ (T) · $44 + 23 = 67$ (H) · $32 + 66 = 98$ (L) · $13 + 27 = 40$ (W) · $27 + 32 = 59$ (E) · $18 + 8 = 26$ (K) · $45 + 50 = 95$ (R) · $11 + 13 = 24$ (D) · $20 + 8 = 28$ (C) · $42 + 50 = 92$ (V) · $36 + 52 = 88$ (I) · $20 + 31 = 51$ (N) · $36 + 25 = 61$ (A) · $26 + 13 = 39$ (F)

Clue 3 (Subtraction): "A HUGE LAG SPIKE STOPPED THE VILLAIN"

$115 - 36 = 79$ (A) · $62 - 30 = 32$ (H) · $30 - 5 = 25$ (O) · $85 - 35 = 50$ (P) · $113 - 40 = 73$ (D) · $99 - 40 = 59$ (G) · $84 - 31 = 53$ (L) · $68 - 12 = 56$ (N) · $76 - 24 = 52$ (S) · $76 - 39 = 37$ (T) · $40 - 21 = 19$ (V) · $79 - 17 = 62$ (I) · $128 - 39 = 89$ (U) · $53 - 33 = 20$ (E) · $112 - 28 = 84$ (K)

Clue 4 (Skip counting): "BEAUTIFUL HAIR WAS LEFT BEHIND"

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, __, 14, 16 = 12 (B) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 = 130 (U) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, __, 100, 110 = 90 (A) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, __, 45, 48 = 42 (T) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, __, 28, 30 = 26 (D) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, __, 36, 39 = 33 (F) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, __, 120, 130 = 110 (L) · Skip-count by 5s. Fill the blank: 5, 10, __, 20, 25 = 15 (E) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, __, 22, 24 = 20 (H) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, __, 150, 160 = 140 (I) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, __, 65, 70 = 60 (W) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, __, 20, 22 = 18 (R) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, __, 130, 140 = 120 (N) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, __, 35, 40 = 30 (S)

Clue 5 (Missing addends): surviving statement is box 1 → Noob

$5 + \underline{\quad} = 17 = 12$ · $6 + \underline{\quad} = 9 = 3$ · $8 + \underline{\quad} = 15 = 7$ · $7 + \underline{\quad} = 9 = 2$ · $7 + \underline{\quad} = 15 = 8$ · $3 + \underline{\quad} = 13 = 10$ · $10 + \underline{\quad} = 14 = 4$ · $10 + \underline{\quad} = 19 = 9$ · $7 + \underline{\quad} = 13 = 6$ · $1 + \underline{\quad} = 6 = 5$ · $9 + \underline{\quad} = 20 = 11$