



The Great Server Glitch

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

Detective: _____ Date: _____

The amazing spawn castle has been griefed! Someone used a hacked tool to break the blocks and escape. The Server Host needs your help to find the Rogue Builder before the world resets.

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 Rogue Builder is _____

Possible suspects

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

NAME	HACKED TOOL	SPAWNED MOB	ACTIVE GLITCH	HELMET COLOR	FEARS ITEM
Sapnap	tnt launcher	giant zombie	left handed swing	yellow gold	golden apple
Lizzie	glitch bow	phantom army	left handed swing	yellow gold	milk bucket
DanTDM	speed boots	charged creeper	right handed swing	green emerald	splash potion
Alex	tnt launcher	ender dragon	right handed swing	blue diamond	milk bucket
George	fire sword	phantom army	left handed swing	green emerald	golden apple
Notch	glitch bow	creeper swarm	left handed swing	blue diamond	milk bucket
Jeb	glitch bow	charged creeper	left handed swing	blue diamond	milk bucket
Techno	glitch bow	creeper swarm	right handed swing	blue diamond	milk bucket
Tommy	glitch bow	phantom army	right handed swing	green emerald	splash potion
AntVenom	fire sword	charged creeper	left handed swing	blue diamond	milk bucket
Philza	ice pickaxe	giant zombie	left handed swing	yellow gold	milk bucket
Aphmau	ice pickaxe	ender dragon	left handed swing	blue diamond	splash potion
Mumbo	speed boots	creeper swarm	right handed swing	green emerald	golden apple
Stampy	speed boots	ender dragon	right handed swing	blue diamond	milk bucket
Skeppy	tnt launcher	phantom army	left handed swing	blue diamond	milk bucket
Joel	glitch bow	ender dragon	left handed swing	yellow gold	milk bucket
Ranboo	ice pickaxe	charged creeper	left handed swing	green emerald	golden apple
Grian	ice pickaxe	ender dragon	left handed swing	blue diamond	golden apple
Tubbo	speed boots	phantom army	right handed swing	yellow gold	milk bucket
CaptainSparklez	fire sword	charged creeper	right handed swing	yellow gold	milk bucket
Etho	glitch bow	giant zombie	left handed swing	blue diamond	milk bucket

CLUE 1 Multiplication facts (1-12)

We find a suspicious grid of redstone chests. There are five rows with six chests in each row. Let us count them to unlock the first clue.

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

A 2x15 grid of boxes. The top row contains the following sequence: 'T' (orange), empty, empty, empty, empty, empty, empty, empty, empty, empty, empty, empty, empty, empty, empty, empty, empty, empty, 'T' (orange). Below these boxes are the numbers: 108, 81, 27, 14, 40, 16, 16, 11, 40, 6, 25, 4, 27, 3, 6, 4, 108. The bottom row contains the following sequence: empty, empty, empty, empty, empty, empty, empty, empty, empty, 'T' (orange), empty, empty, empty. Below these boxes are the numbers: 3, 9, 11, 66, 6, 9, 81, 11, 6, 108, 4, 99, 3.

$$12 \times 9 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$11 \times 6 = \boxed{} \rightarrow \boxed{\text{W}}$$

$$3 \times 3 = \boxed{} \rightarrow \boxed{\text{P}}$$

$1 \times 3 = \square \rightarrow \boxed{\mathbf{S}}$

$5 \times 5 =$ $\rightarrow$ **D**

$$7 \times 2 = \boxed{} \rightarrow \boxed{\mathbf{V}}$$

$8 \times 2 = \boxed{} \rightarrow \boxed{\text{L}}$

$$4 \times 10 = \boxed{} \rightarrow \boxed{} \mid$$

$2 \times 3 = \square \rightarrow \boxed{\mathbf{N}}$

$9 \times 3 = \square \rightarrow \boxed{\mathbf{E}}$

$$2 \times 2 = \boxed{} \rightarrow \boxed{0}$$

$$11 \times 1 = \boxed{} \rightarrow \boxed{\text{A}}$$

$$9 \times 11 = \boxed{} \rightarrow \boxed{\text{M}}$$

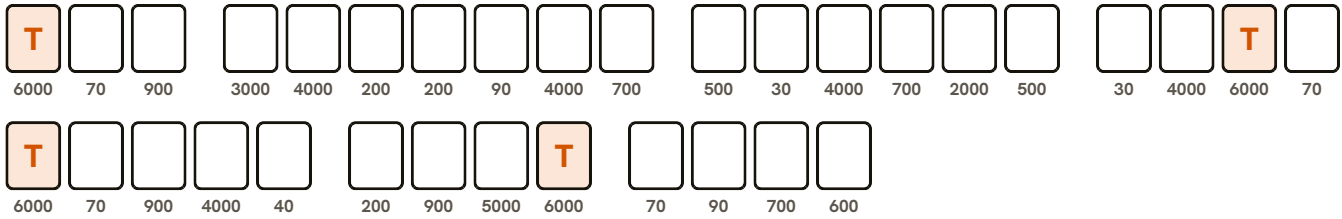
$$9 \times 9 = \boxed{} \rightarrow \boxed{\text{H}}$$

Scratch space:

CLUE 2 Rounding

Our tracker radar is glitching out. It only shows the nearest ten blocks instead of the exact spot. Let us round the distance to read the screen.

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



Round 5,739 to the nearest thousand → **T**

Round 4,158 to the nearest thousand → **I**

Round 89 to the nearest ten → **A**

Round 28 to the nearest ten → **W**

Round 566 to the nearest hundred → **D**

Round 38 to the nearest ten → **R**

Round 897 to the nearest hundred → **E**

Round 73 to the nearest ten → **H**

Round 1,964 to the nearest thousand → **G**

Round 494 to the nearest hundred → **S**

Round 714 to the nearest hundred → **N**

Round 4,831 to the nearest thousand → **F**

Round 238 to the nearest hundred → **L**

Round 2,691 to the nearest thousand → **V**

Scratch space:

CLUE 3

A friendly villager brings us some spare resources. If we add his iron ingots to our pile he will tell us what he saw.

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

966 774 538 555 880 890 890 646 880 767 774 646 966 538 503 459 901 890 337

513 880 890 692 524 579 459 692 538 966 503

$$414 + 552 = \boxed{} \rightarrow \boxed{\text{T}}$$

$308 + 151 = \boxed{} \rightarrow \boxed{\text{C}}$

$$319 + 373 = \boxed{} \rightarrow \boxed{\text{K}}$$

$$228 + 327 = \boxed{} \rightarrow \boxed{\mathbf{v}}$$

$$406 + 361 = \boxed{} \rightarrow \boxed{\text{N}}$$

$340 + 184 = \boxed{} \rightarrow \boxed{\mathbf{B}}$

$$523 + 251 = \boxed{} \rightarrow \boxed{\text{H}}$$

$320 + 218 = \boxed{} \rightarrow \boxed{\text{E}}$

$353 + 150 = \boxed{} \rightarrow \boxed{\text{S}}$

$337 + 543 = \boxed{} \rightarrow \boxed{}$

$$214 + 365 = \boxed{} \rightarrow \boxed{\text{U}}$$

$$583 + 307 = \boxed{} \rightarrow \boxed{\text{L}}$$

$$440 + 206 = \boxed{} \rightarrow \boxed{\mathbf{A}}$$

$$483 + 418 = \boxed{} \rightarrow \boxed{\text{O}}$$

$$173 + 164 = \boxed{} \rightarrow \boxed{\text{D}}$$

$$162 + 351 = \boxed{} \rightarrow \boxed{\mathbf{M}}$$

Scratch space:

CLUE 4 Subtraction

The rogue builder threw a potion of harming at our dog. We must subtract the damaged health points to heal him and get the next clue.

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

T															
716	304	264	468	244	264	137	264	304	383	468	468	304	753	137	736
513	227	642	264	407	753	383	502	411	137	407	244	304	753	641	468

$955 - 239 = \square \rightarrow$ T	$423 - 119 = \square \rightarrow$ H	$755 - 242 = \square \rightarrow$ B
$950 - 309 = \square \rightarrow$ P	$980 - 227 = \square \rightarrow$ I	$232 - 95 = \square \rightarrow$ N
$325 - 98 = \square \rightarrow$ L	$610 - 227 = \square \rightarrow$ A	$667 - 256 = \square \rightarrow$ O
$618 - 150 = \square \rightarrow$ S	$502 - 258 = \square \rightarrow$ C	$518 - 16 = \square \rightarrow$ M
$400 - 136 = \square \rightarrow$ E	$803 - 161 = \square \rightarrow$ U	$1125 - 389 = \square \rightarrow$ Y
$749 - 342 = \square \rightarrow$ D		

Scratch space:

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

To bypass the final security wall we must split our ender pearls into equal stacks. Let us divide them up to open the vault.

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:

$24 \div 4 = \boxed{}$

$24 \div 3 = \boxed{}$

$44 \div 4 = \boxed{}$

$35 \div 5 = \boxed{}$

$12 \div 3 = \boxed{}$

$12 \div 12 = \boxed{}$

$6 \div 3 = \boxed{}$

$60 \div 12 = \boxed{}$

$12 \div 4 = \boxed{}$

$108 \div 9 = \boxed{}$

$120 \div 12 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain freezes the water elevator, then calls in a purple dragon.
2. The villain blasts a hole in the wall, then spawns annoying phantoms.
3. The villain burns down the oak bridge, then unleashes hissing creepers.
4. The villain burns down the oak bridge, then spawns annoying phantoms.
5. The villain burns down the oak bridge, then summons a massive green giant.
6. The villain shoots glitchy arrows, then charges up a blue creeper.
7. The villain blasts a hole in the wall, then unleashes hissing creepers.
8. The villain shoots glitchy arrows, then unleashes hissing creepers.
9. The villain burns down the oak bridge, then charges up a blue creeper.
10. The villain dashes through the lobby, then spawns annoying phantoms.
11. The villain shoots glitchy arrows, then summons a massive green giant.
12. The villain freezes the water elevator, then charges up a blue creeper.

Answer Key

The Great Server Glitch

Culprit: AntVenom

fire sword · charged creeper · left handed swing · blue diamond · milk bucket

Trail: Start 21 → Clue 1 16 → Clue 2 10 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE VILLAIN DOES NOT SPAWN PHANTOMS"

$12 \times 9 = 108$ (T) · $11 \times 6 = 66$ (W) · $3 \times 3 = 9$ (P) · $1 \times 3 = 3$ (S) · $5 \times 5 = 25$ (D) · $7 \times 2 = 14$ (V) · $8 \times 2 = 16$ (L) · $4 \times 10 = 40$ (I) · $2 \times 3 = 6$ (N) · $9 \times 3 = 27$ (E) · $2 \times 2 = 4$ (O) · $11 \times 1 = 11$ (A) · $9 \times 11 = 99$ (M) · $9 \times 9 = 81$ (H)

Clue 2 (Rounding): "THE VILLAIN SWINGS WITH THEIR LEFT HAND"

Round 5,739 to the nearest thousand = 6000 (T) · Round 4,158 to the nearest thousand = 4000 (I) · Round 89 to the nearest ten = 90 (A) · Round 28 to the nearest ten = 30 (W) · Round 566 to the nearest hundred = 600 (D) · Round 38 to the nearest ten = 40 (R) · Round 897 to the nearest hundred = 900 (E) · Round 73 to the nearest ten = 70 (H) · Round 1,964 to the nearest thousand = 2000 (G) · Round 494 to the nearest hundred = 500 (S) · Round 714 to the nearest hundred = 700 (N) · Round 4,831 to the nearest thousand = 5000 (F) · Round 238 to the nearest hundred = 200 (L) · Round 2,691 to the nearest thousand = 3000 (V)

Clue 3 (Addition): "THE VILLAIN HATES COLD MILK BUCKETS"

$414 + 552 = 966$ (T) · $308 + 151 = 459$ (C) · $319 + 373 = 692$ (K) · $228 + 327 = 555$ (V) · $406 + 361 = 767$ (N) · $340 + 184 = 524$ (B) · $523 + 251 = 774$ (H) · $320 + 218 = 538$ (E) · $353 + 150 = 503$ (S) · $337 + 543 = 880$ (I) · $214 + 365 = 579$ (U) · $583 + 307 = 890$ (L) · $440 + 206 = 646$ (A) · $483 + 418 = 901$ (O) · $173 + 164 = 337$ (D) · $162 + 351 = 513$ (M)

Clue 4 (Subtraction): "THE SCENE HAS SHINY BLUE DIAMOND CHIPS"

$955 - 239 = 716$ (T) · $423 - 119 = 304$ (H) · $755 - 242 = 513$ (B) · $950 - 309 = 641$ (P) · $980 - 227 = 753$ (I) · $232 - 95 = 137$ (N) · $325 - 98 = 227$ (L) · $610 - 227 = 383$ (A) · $667 - 256 = 411$ (O) · $618 - 150 = 468$ (S) · $502 - 258 = 244$ (C) · $518 - 16 = 502$ (M) · $400 - 136 = 264$ (E) · $803 - 161 = 642$ (U) · $1125 - 389 = 736$ (Y) · $749 - 342 = 407$ (D)

Clue 5 (Division facts (1-12)): surviving statement is box 9 → AntVenom

$24 \div 4 = 6$ · $24 \div 3 = 8$ · $44 \div 4 = 11$ · $35 \div 5 = 7$ · $12 \div 3 = 4$ · $12 \div 12 = 1$ · $6 \div 3 = 2$ · $60 \div 12 = 5$ · $12 \div 4 = 3$ · $108 \div 9 = 12$ · $120 \div 12 = 10$