



The Spawn Point Sabotage

Grade 4 math · Rounding, Addition, Subtraction, Multiplication, Division · Reading level grades 5-6

Detective: _____ **Date:** _____

The peaceful voxel hills of Blockhaven have been ruined! A mysterious griefer bypassed spawn protection, flooded the town square with lava, and locked the Server Admin out of the console. We must scour the digital logs and piece together the blocks left behind to find the culprit before the 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 mysterious griefer is _____

Possible suspects

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

NAME	CLASS SPECIALIZATION	IN GAME HOBBY	HAND DOMINANCE	HELMET CHOICE	COUNTERMEASURE BLOCK
AlexTheBold	Redstone wiring	taming wolves	places torches with left hand	diamond helmet	reinforced deepslate block
RedstonePro	Spawning golems	riding striders	places torches with left hand	diamond helmet	splash potion of slowness
PixelArtisan	Nether traveling	fishing junk loot	places torches with left hand	golden helmet	splash potion of slowness
ObsidianLord	Nether traveling	enchanted bows	places torches with left hand	diamond helmet	splash potion of slowness
LapisLover	Nether traveling	taming wolves	places torches with left hand	diamond helmet	reinforced deepslate block
DiamondDigger	Elytra flying	enchanted bows	places torches with left hand	diamond helmet	reinforced deepslate block
EndermanFan	Spawning golems	taming wolves	places torches with right hand	diamond helmet	splash potion of slowness
CreeperSlayer	Redstone wiring	baking pumpkin pie	places torches with left hand	netherite helmet	splash potion of slowness
Dreamer99	Nether traveling	baking pumpkin pie	places torches with left hand	diamond helmet	reinforced deepslate block
GamerTagX	Redstone wiring	enchanted bows	places torches with right hand	netherite helmet	bucket of cold water
WolfTamer	Spawning golems	taming wolves	places torches with left hand	golden helmet	reinforced deepslate block
N00bBasher	Elytra flying	riding striders	places torches with left hand	netherite helmet	reinforced deepslate block
Steve	Redstone wiring	enchanted bows	places torches with left hand	diamond helmet	reinforced deepslate block
SteveTheCrafty	Redstone wiring	fishing junk loot	places torches with left hand	diamond helmet	splash potion of slowness
GoldenApple	Redstone wiring	enchanted bows	places torches with right hand	diamond helmet	reinforced deepslate block
Alex	Elytra flying	taming wolves	places torches with left hand	golden helmet	splash potion of slowness
CobbleCollector	Elytra flying	taming wolves	places torches with left hand	netherite helmet	reinforced deepslate block
SkyBlocker	Elytra flying	fishing junk loot	places torches with right hand	diamond helmet	reinforced deepslate block
NetherKing	Elytra flying	taming wolves	places torches with left hand	diamond helmet	bucket of cold water
BlockBuilder	Redstone wiring	taming wolves	places torches with right hand	netherite helmet	reinforced deepslate block
PickaxePete	Spawning golems	enchanted bows	places torches with left hand	diamond helmet	bucket of cold water

CLUE 1

We checked the server scoreboard to see how many blocks the suspect mined. The tracker only shows rounded numbers, so we must estimate the values to unlock the first terminal.

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

Diagram showing two rows of boxes representing a multiplication problem. The top row has boxes for 2300, 90, 1100, 370, 130, 170, 1100, 1300, 1100, 130, 300, 50, 1100, 4300, 110, 50, and 2300. The bottom row has boxes for 2000, 30, 430, 1100, 3000, 700, 9000, 3000, 430, 170, 110, 3000, 170, and 1100. The first and last boxes in the top row are labeled 'T'.

Round 2,338 to the nearest hundred $\rightarrow$ **T**

Round 47 to the nearest ten $\rightarrow$

Round 171 to the nearest ten $\rightarrow$

Round 107 to the nearest ten $\rightarrow$ **N**

Round 3,198 to the nearest thousand $\rightarrow$ **P**

Round 1,258 to the nearest hundred $\rightarrow$ **V**

Round 8,726 to the nearest thousand $\rightarrow$ **M**

Round 88 to the nearest ten $\rightarrow$ **H**

Round 1,614 to the nearest thousand $\rightarrow$ **B**

Round 313 to the nearest hundred $\rightarrow$ **D**

Round 367 to the nearest ten $\rightarrow$ **G**

Round 4,278 to the nearest hundred $\rightarrow$

Round 29 to the nearest ten → **A**

Round 131 to the nearest ten $\rightarrow$ **R**

Round 737 to the nearest hundred $\rightarrow$ **U**

Round 1,076 to the nearest hundred → **E**

Round 430 to the nearest ten → **K**

Scratch space:

CLUE 2 Addition

A quick inventory check reveals that the griever raided several storage chests. Let us tally up the total number of iron ingots taken across the coordinate zones.

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

T																		
2281	2467	9067	4668	4393	9308	9067	3025	9067	4393	7271	8117	3526	2218	9067	6322			
T									T				T					
2281	2784	4393	2218	2467	9067	6322	2497	9308	2281	2467	8117	9067	3025	2281	2467	3526	8601	7250

1597 + 684 = → T	1839 + 2829 = → G	3743 + 5324 = → E
1741 + 1284 = → F	1305 + 1192 = → W	2905 + 5696 = → N
3303 + 3019 = → S	1217 + 1001 = → C	3927 + 3323 = → D
1547 + 920 = → H	2286 + 2107 = → R	4015 + 3256 = → P
4270 + 3847 = → L	2208 + 1318 = → A	3269 + 6039 = → I
1633 + 1151 = → O		

Scratch space:

CLUE 3

Subtraction

The griever used TNT to blast a hole in the castle wall, but some blocks stayed standing. If we subtract the ruined blocks from the original count, we can find the blast strength.

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

D															
1750	3998	3998	7822	2114	7229	1620	1100	3998	8456	7229	2655	2228	5321	2114	
1100	1028	1620	7822	7822	3998	1750	1100	1347	3998	3998	4627	3998	3552	7525	

$6454 - 4704 = \square \rightarrow \boxed{\text{D}}$

$2050 - 1022 = \square \rightarrow \boxed{\text{R}}$

$9181 - 3860 = \square \rightarrow \boxed{\text{K}}$

$5600 - 2048 = \square \rightarrow \boxed{\text{M}}$

$10780 - 2324 = \square \rightarrow \boxed{\text{B}}$

$5644 - 1646 = \square \rightarrow \boxed{\text{E}}$

$7308 - 79 = \square \rightarrow \boxed{\text{L}}$

$6766 - 4652 = \square \rightarrow \boxed{\text{S}}$

$6215 - 3987 = \square \rightarrow \boxed{\text{C}}$

$11024 - 3499 = \square \rightarrow \boxed{\text{Y}}$

$2739 - 84 = \square \rightarrow \boxed{\text{O}}$

$4053 - 2433 = \square \rightarrow \boxed{\text{A}}$

$6878 - 2251 = \square \rightarrow \boxed{\text{N}}$

$1649 - 302 = \square \rightarrow \boxed{\text{H}}$

$4251 - 3151 = \square \rightarrow \boxed{\text{T}}$

$11353 - 3531 = \square \rightarrow \boxed{\text{P}}$

Scratch space:

CLUE 4

Multiplication facts (1-12)

We discovered stacks of brewing ingredients arranged in tidy grids on a crafting table. To find how much splash potion was brewed, we must multiply the rows by the columns.

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

B																		
144	5	70	14	108	28	9	16	27	84	108	54	5	28	84	44	49	9	25
5	14	21	44	9	44	25	72	9	49	84								

$12 \times 12 = \square \rightarrow \text{B}$

$12 \times 9 = \square \rightarrow \text{D}$

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

$4 \times 4 = \square \rightarrow \text{M}$

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

$9 \times 3 = \square \rightarrow \text{O}$

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

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

$5 \times 1 = \square \rightarrow \text{L}$

$1 \times 9 = \square \rightarrow \text{A}$

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

$7 \times 2 = \square \rightarrow \text{E}$

$9 \times 6 = \square \rightarrow \text{G}$

$10 \times 7 = \square \rightarrow \text{U}$

$3 \times 7 = \square \rightarrow \text{F}$

$6 \times 12 = \square \rightarrow \text{P}$

Scratch space:

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

The Admin wants to divide the recovered emerald bounty equally among the server mods who helped search. Let us divide the pile to find each moderator's share.

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:

$12 \div 1 = \boxed{}$

$42 \div 7 = \boxed{}$

$70 \div 10 = \boxed{}$

$16 \div 2 = \boxed{}$

$44 \div 4 = \boxed{}$

$60 \div 6 = \boxed{}$

$10 \div 10 = \boxed{}$

$48 \div 12 = \boxed{}$

$14 \div 7 = \boxed{}$

$21 \div 7 = \boxed{}$

$35 \div 7 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain soars past the custom sky limit, then casts a fishing rod into the river.
2. The villain hijacks the redstone repeater loop, then bakes a sweet pie in the brick oven.
3. The villain summons iron defenders in the courtyard, then feeds raw mutton to wild wolves.
4. The villain summons iron defenders in the courtyard, then bakes a sweet pie in the brick oven.
5. The villain soars past the custom sky limit, then feeds raw mutton to wild wolves.
6. The villain soars past the custom sky limit, then enchants a netherite bow with infinity.
7. The villain hijacks the redstone repeater loop, then feeds raw mutton to wild wolves.
8. The villain builds a portal near the bedrock, then casts a fishing rod into the river.
9. The villain hijacks the redstone repeater loop, then enchants a netherite bow with infinity.
10. The villain soars past the custom sky limit, then rides a strider across the lava lake.
11. The villain brews a batch of instant damage, then rides a strider across the lava lake.
12. The villain builds a portal near the bedrock, then feeds raw mutton to wild wolves.

Answer Key

The Spawn Point Sabotage

Culprit: Steve

Redstone wiring · enchanting bows · places torches with left hand · diamond helmet · reinforced deepslate block

Trail: Start 21 → Clue 1 19 → Clue 2 14 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE GRIEVER DOES NOT BAKE PUMPKIN PIE"

Round 2,338 to the nearest hundred = 2300 (T) · Round 47 to the nearest ten = 50 (O) · Round 171 to the nearest ten = 170 (I) · Round 107 to the nearest ten = 110 (N) · Round 3,198 to the nearest thousand = 3000 (P) · Round 1,258 to the nearest hundred = 1300 (V) · Round 8,726 to the nearest thousand = 9000 (M) · Round 88 to the nearest ten = 90 (H) · Round 1,614 to the nearest thousand = 2000 (B) · Round 313 to the nearest hundred = 300 (D) · Round 367 to the nearest ten = 370 (G) · Round 4,278 to the nearest hundred = 4300 (S) · Round 29 to the nearest ten = 30 (A) · Round 131 to the nearest ten = 130 (R) · Round 737 to the nearest hundred = 700 (U) · Round 1,076 to the nearest hundred = 1100 (E) · Round 430 to the nearest ten = 430 (K)

Clue 2 (Addition): "THE GRIEFER PLACES TORCHES WITH LEFT HAND"

$1597 + 684 = 2281$ (T) · $1839 + 2829 = 4668$ (G) · $3743 + 5324 = 9067$ (E) · $1741 + 1284 = 3025$ (F) · $1305 + 1192 = 2497$ (W) · $2905 + 5696 = 8601$ (N) · $3303 + 3019 = 6322$ (S) · $1217 + 1001 = 2218$ (C) · $3927 + 3323 = 7250$ (D) · $1547 + 920 = 2467$ (H) · $2286 + 2107 = 4393$ (R) · $4015 + 3256 = 7271$ (P) · $4270 + 3847 = 8117$ (L) · $2208 + 1318 = 3526$ (A) · $3269 + 6039 = 9308$ (I) · $1633 + 1151 = 2784$ (O)

Clue 3 (Subtraction): "DEEPSLATE BLOCKS TRAPPED THE ENEMY"

$6454 - 4704 = 1750$ (D) · $2050 - 1022 = 1028$ (R) · $9181 - 3860 = 5321$ (K) · $5600 - 2048 = 3552$ (M) · $10780 - 2324 = 8456$ (B) · $5644 - 1646 = 3998$ (E) · $7308 - 79 = 7229$ (L) · $6766 - 4652 = 2114$ (S) · $6215 - 3987 = 2228$ (C) · $11024 - 3499 = 7525$ (Y) · $2739 - 84 = 2655$ (O) · $4053 - 2433 = 1620$ (A) · $6878 - 2251 = 4627$ (N) · $1649 - 302 = 1347$ (H) · $4251 - 3151 = 1100$ (T) · $11353 - 3531 = 7822$ (P)

Clue 4 (Multiplication facts (1-12)): "BLUE DIAMOND GLINT WAS LEFT AT SPAWN"

$12 \times 12 = 144$ (B) · $12 \times 9 = 108$ (D) · $7 \times 7 = 49$ (W) · $4 \times 4 = 16$ (M) · $4 \times 11 = 44$ (T) · $9 \times 3 = 27$ (O) · $5 \times 5 = 25$ (S) · $12 \times 7 = 84$ (N) · $5 \times 1 = 5$ (L) · $1 \times 9 = 9$ (A) · $7 \times 4 = 28$ (I) · $7 \times 2 = 14$ (E) · $9 \times 6 = 54$ (G) · $10 \times 7 = 70$ (U) · $3 \times 7 = 21$ (F) · $6 \times 12 = 72$ (P)

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

$12 \div 1 = 12$ · $42 \div 7 = 6$ · $70 \div 10 = 7$ · $16 \div 2 = 8$ · $44 \div 4 = 11$ · $60 \div 6 = 10$ · $10 \div 10 = 1$ · $48 \div 12 = 4$ · $14 \div 7 = 2$ · $21 \div 7 = 3$ · $35 \div 7 = 5$