



The Grief of Spawn Castle

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

Detective: _____ Date: _____

Someone hacked the admin console, grieved the grand spawn castle, and stole the community diamond stash. We must search the blocky landscape and find the rogue player who did this!

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 Griefing Phantom is _____

Possible suspects

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

NAME	PRIMARY TOOL	SPAWNED PET	HOTBAR PREFERENCE	SKIN HAIRSTYLE	GLITCH VULNERABILITY
RedstonePro	Redstone Torch	Pet Creeper	Left Handed Skin	Golden Helmet Hair	Splash Potions
Dream	Diamond Pickaxe	Tamed Wolf	Left Handed Skin	Golden Helmet Hair	Water Buckets
Skeppy	Netherite Sword	Iron Golem	Left Handed Skin	Pixelated Blue Hair	Splash Potions
Alex	Enchanted Book	Iron Golem	Right Handed Skin	Golden Helmet Hair	Water Buckets
CaptainPuffy	Redstone Torch	Tamed Wolf	Right Handed Skin	Golden Helmet Hair	Chorus Fruit
TommyInnit	Enchanted Book	Companion Parrot	Left Handed Skin	Classic Brown Hair	Chorus Fruit
Philza	Diamond Pickaxe	Iron Golem	Left Handed Skin	Classic Brown Hair	Splash Potions
Stampy	Redstone Torch	Baby Zombie	Right Handed Skin	Classic Brown Hair	Water Buckets
GeorgeNotFound	Enchanted Book	Companion Parrot	Left Handed Skin	Golden Helmet Hair	Splash Potions
Grian	Redstone Torch	Pet Creeper	Left Handed Skin	Classic Brown Hair	Splash Potions
Ranboo	Golden Apple	Tamed Wolf	Right Handed Skin	Golden Helmet Hair	Splash Potions
BadBoyHalo	Netherite Sword	Tamed Wolf	Left Handed Skin	Pixelated Blue Hair	Water Buckets
HermitSkid	Diamond Pickaxe	Tamed Wolf	Left Handed Skin	Pixelated Blue Hair	Splash Potions
Technoblade	Diamond Pickaxe	Companion Parrot	Left Handed Skin	Classic Brown Hair	Chorus Fruit
CaptainSparklez	Netherite Sword	Pet Creeper	Left Handed Skin	Golden Helmet Hair	Splash Potions
DiamondMiner	Enchanted Book	Tamed Wolf	Right Handed Skin	Classic Brown Hair	Chorus Fruit
Sapnap	Golden Apple	Tamed Wolf	Left Handed Skin	Golden Helmet Hair	Splash Potions
MumboJumbo	Golden Apple	Pet Creeper	Right Handed Skin	Classic Brown Hair	Water Buckets
LDShadowLady	Redstone Torch	Companion Parrot	Right Handed Skin	Golden Helmet Hair	Water Buckets
EthosLab	Diamond Pickaxe	Tamed Wolf	Left Handed Skin	Golden Helmet Hair	Splash Potions
Steve	Golden Apple	Iron Golem	Left Handed Skin	Golden Helmet Hair	Splash Potions

CLUE 1 Rounding

The server console is lagging making coordinates hard to read. To locate the first clue we must round the corrupted chunk numbers to the nearest hundred.

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

T								T										T
50	2300	200	430	2300	170	700	50	90	130	1300	90	200	2000	700	90	50		
								T										
2300	170	30	200	170	430	200	50	20	5000	200	200	430	200	5000				

Round 47 to the nearest ten → **T**

Round 1,823 to the nearest thousand → **S**

Round 4,647 to the nearest thousand → **R**

Round 2,293 to the nearest hundred → **H**

Round 426 to the nearest ten → **P**

Round 1,307 to the nearest hundred → **D**

Round 88 to the nearest ten → **O**

Round 16 to the nearest ten → **C**

Round 129 to the nearest ten → **M**

Round 31 to the nearest ten → **V**

Round 167 to the nearest ten → **A**

Round 195 to the nearest hundred → **E**

Round 673 to the nearest hundred → **N**

Scratch space:

CLUE 2 Addition

Our inventory counts are messy. We need to tally all the iron ingots collected across different mining chests to see what supplies are missing.

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

L																			
6940	5941	8342	7393	8177	7808	8012	9681	5941	9681	6487	6364	7679	8012	3893	8469	7808	3312	3797	6487
8868	8012	7393	8177	5941	6364	8868	8868	9681											

$3002 + 3938 = \square \rightarrow$ L	$1877 + 2016 = \square \rightarrow$ G	$1228 + 2569 = \square \rightarrow$ K
$2413 + 3951 = \square \rightarrow$ W	$4826 + 2853 = \square \rightarrow$ I	$2515 + 5497 = \square \rightarrow$ N
$4264 + 2223 = \square \rightarrow$ S	$3111 + 5231 = \square \rightarrow$ F	$4073 + 3320 = \square \rightarrow$ T
$6013 + 2855 = \square \rightarrow$ O	$2992 + 2949 = \square \rightarrow$ E	$2840 + 5629 = \square \rightarrow$ M
$5531 + 2646 = \square \rightarrow$ H	$3207 + 6474 = \square \rightarrow$ D	$1085 + 2227 = \square \rightarrow$ R
$3665 + 4143 = \square \rightarrow$ A		

Scratch space:

CLUE 3

Subtraction

A lava flow melted some of our wood block storage. By subtracting the destroyed blocks from our original build count we can find the hidden chest.

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

T			T					T										
5869	1324	8745	5869	8915	2492	6923	8745	5869	1375	8745	8915	2492	8745	7959				
								T										
2468	8400	5025	8915	2468	1324	8400	1241	5869	5171	1241	3395	2468	1241	1375	1324	8915	2492	4027

$7124 - 1255 = \square \rightarrow \text{T}$

$6587 - 3192 = \square \rightarrow \text{N}$

$12773 - 4028 = \square \rightarrow \text{E}$

$9985 - 3062 = \square \rightarrow \text{G}$

$5293 - 2801 = \square \rightarrow \text{R}$

$8892 - 3867 = \square \rightarrow \text{L}$

$8389 - 3218 = \square \rightarrow \text{I}$

$4208 - 181 = \square \rightarrow \text{M}$

$4736 - 3412 = \square \rightarrow \text{H}$

$13367 - 4967 = \square \rightarrow \text{P}$

$6894 - 4426 = \square \rightarrow \text{S}$

$6169 - 4928 = \square \rightarrow \text{O}$

$10824 - 1909 = \square \rightarrow \text{A}$

$12571 - 4612 = \square \rightarrow \text{D}$

$5707 - 4332 = \square \rightarrow \text{F}$

Scratch space:

CLUE 4

Multiplication facts (1-12)

The grieving phantom left a giant grid of obsidian blocks. If we multiply the rows by the columns the total reveals the passcode to the vault.

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

G																			
56	108	64	24	40	12	60	84	99	24	40	21	48	64	64	21	60	108	25	
84	40	7	22	99	27	7	48	64	25	48	12								

$7 \times 8 = \square \rightarrow \text{G}$

$11 \times 9 = \square \rightarrow \text{N}$

$8 \times 3 = \square \rightarrow \text{D}$

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

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

$12 \times 4 = \square \rightarrow \text{E}$

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

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

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

$8 \times 8 = \square \rightarrow \text{L}$

$7 \times 1 = \square \rightarrow \text{H}$

$10 \times 6 = \square \rightarrow \text{R}$

$12 \times 1 = \square \rightarrow \text{T}$

$8 \times 5 = \square \rightarrow \text{S}$

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

Scratch space:

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

We recovered a stack of diamonds from a trap. Splitting the diamonds equally among the active server moderators will expose the final clue.

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:

$5 \div 5 = \boxed{}$

$10 \div 5 = \boxed{}$

$121 \div 11 = \boxed{}$

$27 \div 9 = \boxed{}$

$8 \div 1 = \boxed{}$

$72 \div 8 = \boxed{}$

$20 \div 2 = \boxed{}$

$55 \div 11 = \boxed{}$

$48 \div 12 = \boxed{}$

$77 \div 11 = \boxed{}$

$84 \div 7 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain gained super health by eating a golden apple, then ordered an iron golem to smash the iron gates.
2. The villain cast a high level spell with an enchanted book, then sent a companion parrot to scout ahead.
3. The villain gained super health by eating a golden apple, then rode off on a fast baby zombie into the nether.
4. The villain rigged a massive tnt trap with a redstone torch, then sent a companion parrot to scout ahead.
5. The villain slashed through the mob farm with a netherite sword, then provoked a pet creeper to blow up the storage room.
6. The villain mined straight down with a diamond pickaxe, then whistled for a tamed wolf to guard the escape route.
7. The villain slashed through the mob farm with a netherite sword, then rode off on a fast baby zombie into the nether.
8. The villain cast a high level spell with an enchanted book, then ordered an iron golem to smash the iron gates.
9. The villain cast a high level spell with an enchanted book, then provoked a pet creeper to blow up the storage room.
10. The villain gained super health by eating a golden apple, then provoked a pet creeper to blow up the storage room.
11. The villain gained super health by eating a golden apple, then whistled for a tamed wolf to guard the escape route.
12. The villain rigged a massive tnt trap with a redstone torch, then provoked a pet creeper to blow up the storage room.

Answer Key

The Grief of Spawn Castle

Culprit: EthosLab

Diamond Pickaxe · Tamed Wolf · Left Handed Skin · Golden Helmet Hair · Splash Potions

Trail: Start 21 → Clue 1 17 → Clue 2 11 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE PHANTOM DOES NOT HAVE A PET CREEPER"

Round 47 to the nearest ten = 50 (T) · Round 1,823 to the nearest thousand = 2000 (S) · Round 4,647 to the nearest thousand = 5000 (R) · Round 2,293 to the nearest hundred = 2300 (H) · Round 426 to the nearest ten = 430 (P) · Round 1,307 to the nearest hundred = 1300 (D) · Round 88 to the nearest ten = 90 (O) · Round 16 to the nearest ten = 20 (C) · Round 129 to the nearest ten = 130 (M) · Round 31 to the nearest ten = 30 (V) · Round 167 to the nearest ten = 170 (A) · Round 195 to the nearest hundred = 200 (E) · Round 673 to the nearest hundred = 700 (N)

Clue 2 (Addition): "LEFT HANDED SWING MARKS ON THE WOOD"

$3002 + 3938 = 6940$ (L) · $1877 + 2016 = 3893$ (G) · $1228 + 2569 = 3797$ (K) · $2413 + 3951 = 6364$ (W) · $4826 + 2853 = 7679$ (I) · $2515 + 5497 = 8012$ (N) · $4264 + 2223 = 6487$ (S) · $3111 + 5231 = 8342$ (F) · $4073 + 3320 = 7393$ (T) · $6013 + 2855 = 8868$ (O) · $2992 + 2949 = 5941$ (E) · $2840 + 5629 = 8469$ (M) · $5531 + 2646 = 8177$ (H) · $3207 + 6474 = 9681$ (D) · $1085 + 2227 = 3312$ (R) · $3665 + 4143 = 7808$ (A)

Clue 3 (Subtraction): "THE TARGET FEARED SPLASH POTIONS OF HARM"

$7124 - 1255 = 5869$ (T) · $6587 - 3192 = 3395$ (N) · $12773 - 4028 = 8745$ (E) · $9985 - 3062 = 6923$ (G) · $5293 - 2801 = 2492$ (R) · $8892 - 3867 = 5025$ (L) · $8389 - 3218 = 5171$ (I) · $4208 - 181 = 4027$ (M) · $4736 - 3412 = 1324$ (H) · $13367 - 4967 = 8400$ (P) · $6894 - 4426 = 2468$ (S) · $6169 - 4928 = 1241$ (O) · $10824 - 1909 = 8915$ (A) · $12571 - 4612 = 7959$ (D) · $5707 - 4332 = 1375$ (F)

Clue 4 (Multiplication facts (1-12)): "GOLD STRANDS FELL FROM A SHINY HELMET"

$7 \times 8 = 56$ (G) · $11 \times 9 = 99$ (N) · $8 \times 3 = 24$ (D) · $5 \times 5 = 25$ (M) · $3 \times 9 = 27$ (Y) · $12 \times 4 = 48$ (E) · $2 \times 11 = 22$ (I) · $9 \times 12 = 108$ (O) · $12 \times 7 = 84$ (A) · $8 \times 8 = 64$ (L) · $7 \times 1 = 7$ (H) · $10 \times 6 = 60$ (R) · $12 \times 1 = 12$ (T) · $8 \times 5 = 40$ (S) · $3 \times 7 = 21$ (F)

Clue 5 (Division facts (1-12)): surviving statement is box 6 → EthosLab

$5 \div 5 = 1$ · $10 \div 5 = 2$ · $121 \div 11 = 11$ · $27 \div 9 = 3$ · $8 \div 1 = 8$ · $72 \div 8 = 9$ · $20 \div 2 = 10$ · $55 \div 11 = 5$ · $48 \div 12 = 4$ · $77 \div 11 = 7$ · $84 \div 7 = 12$