



The Spawn Castle Sabotage

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

Detective: _____ **Date:** _____

The grand spawn castle has been grieved! Lava is pouring down the castle walls, and the Head Builder is trapped behind iron bars. A sneaky player did this, and we need to use our math skills to find out who it was 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 Secret Griefer 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	SNEAKY GEAR	MINING SWING	HEAD WEAR	FOIL ITEM
fWhip	Netherite Pickaxe	Ender Pearls	Right-handed swing	Creeper Hood	Water Bucket
Aphmau	Netherite Pickaxe	Ender Pearls	Right-handed swing	No Helmet	Water Bucket
Skeppy	Flint and Steel	Elytra Wings	Right-handed swing	Gold Helmet	Iron Golem
BadBoyHalo	Golden Shovel	Ender Pearls	Right-handed swing	No Helmet	Iron Golem
CaptainSparklez	Golden Shovel	Totem of Undying	Right-handed swing	No Helmet	Iron Golem
PopularMMOs	Diamond Sword	Ender Pearls	Left-handed swing	No Helmet	Iron Golem
InTheLittleWood	Enchanted Bow	Ender Pearls	Right-handed swing	Gold Helmet	Splash Potion of Slowness
Smajor	Flint and Steel	Elytra Wings	Right-handed swing	Creeper Hood	Splash Potion of Slowness
Stampy	Golden Shovel	Invisibility Potions	Right-handed swing	No Helmet	Iron Golem
GeminiTay	Enchanted Bow	Ender Pearls	Right-handed swing	Gold Helmet	Iron Golem
Mumbo	Flint and Steel	Invisibility Potions	Left-handed swing	Gold Helmet	Splash Potion of Slowness
Solidarity	Netherite Pickaxe	Invisibility Potions	Right-handed swing	Creeper Hood	Water Bucket
Shubble	Golden Shovel	Totem of Undying	Right-handed swing	Gold Helmet	Water Bucket
DanTDM	Golden Shovel	Elytra Wings	Right-handed swing	No Helmet	Iron Golem
PearlescentMoon	Netherite Pickaxe	Elytra Wings	Right-handed swing	No Helmet	Water Bucket
Grian	Diamond Sword	Elytra Wings	Left-handed swing	Gold Helmet	Water Bucket
iHasCupquake	Flint and Steel	Invisibility Potions	Right-handed swing	Creeper Hood	Iron Golem
Docm77	Diamond Sword	Elytra Wings	Right-handed swing	No Helmet	Iron Golem
Steve	Flint and Steel	Ender Pearls	Right-handed swing	Gold Helmet	Water Bucket
AntVenom	Netherite Pickaxe	Firework Rockets	Left-handed swing	No Helmet	Splash Potion of Slowness
LDShadowLady	Enchanted Bow	Totem of Undying	Left-handed swing	No Helmet	Splash Potion of Slowness

CLUE 1 **Addition**

The Griever dropped some block stacks as they fled. We found two damaged chests. We must add the oak blocks to the birch blocks to find the total items and read the first clue.

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

T														
9127	6497	9269	4317	7929	2450	9269	4250	9269	7929	6497	2931	6953	5654	5941

T		T		
9127	5941	9127	9269	4695

$3672 + 5455 = \square \rightarrow \text{T}$

$2482 + 1835 = \square \rightarrow \text{G}$

$1180 + 1751 = \square \rightarrow \text{A}$

$2697 + 4256 = \square \rightarrow \text{S}$

$3627 + 2027 = \square \rightarrow \text{N}$

$2872 + 3069 = \square \rightarrow \text{O}$

$5129 + 4140 = \square \rightarrow \text{E}$

$4070 + 2427 = \square \rightarrow \text{H}$

$4603 + 3326 = \square \rightarrow \text{R}$

$2145 + 2105 = \square \rightarrow \text{F}$

$2927 + 1768 = \square \rightarrow \text{M}$

$1173 + 1277 = \square \rightarrow \text{I}$

Scratch space:

CLUE 2 Rounding

The castle radar scanned a fast-moving player escaping over the hills. The old radar screen only shows rounded numbers to the nearest ten. Round the signal to reveal the gear they used.

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

T																			
370	3000	900	50	130	70	500	2300	9000	1300	900	5000	900	9000	2900	30	9000	3000	900	4300

				T						T	
290	5000	70	2900	370	3000	900	5000	200	7000	3000	370

Round 373 to the nearest ten → **T**

Round 290 to the nearest ten → **F**

Round 488 to the nearest hundred → **C**

Round 4,340 to the nearest hundred → **D**

Round 4,809 to the nearest thousand → **R**

Round 2,903 to the nearest hundred → **M**

Round 127 to the nearest ten → **L**

Round 216 to the nearest hundred → **I**

Round 8,541 to the nearest thousand → **S**

Round 2,276 to the nearest hundred → **K**

Round 6,785 to the nearest thousand → **G**

Round 1,348 to the nearest hundred → **W**

Round 29 to the nearest ten → **A**

Round 2,529 to the nearest thousand → **H**

Round 880 to the nearest hundred → **E**

Round 49 to the nearest ten → **B**

Round 73 to the nearest ten → **O**

Scratch space:

CLUE 3 Subtraction

We checked the main tool cabinet to see what supplies were stolen during the raid. Subtract the remaining iron ingots from the starting amount to find out which trap was activated.

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

T																		
3796	3293	4084	1030	2504	8881	4084	3506	4084	2504	1025	6757	3089	7972	3293	6757	3089	4084	1435

6858	1064	6757	1030	7196	2646	4084	4590

7996 - 4200 = → T	7472 - 276 = → O	3848 - 1202 = → L
11388 - 4530 = → B	4822 - 1733 = → S	8273 - 1516 = → A
8237 - 4944 = → H	3717 - 2692 = → W	12502 - 4530 = → C
4390 - 2955 = → D	8985 - 4901 = → E	2286 - 1256 = → G
12515 - 3634 = → I	4186 - 3122 = → Y	9493 - 4903 = → M
6964 - 3458 = → F	2771 - 267 = → R	

Scratch space:

CLUE 4
Multiplication facts (1-12)

The Griever trampled the wheat farm while running away. We see ruined crops in rows. Multiply the columns by the rows to count the total damage and uncover what helmet they wore.

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

T															
81	3	49	72	36	30	5	121	56	70	5	60	30	49	121	

T							T								
81	3	63	36	12	15	3	81	3	49	56	63	3	35	56	63

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

$3 \times 10 = \square \rightarrow \boxed{\text{L}}$

$7 \times 10 = \square \rightarrow \boxed{\text{N}}$

$10 \times 6 = \square \rightarrow \boxed{\text{B}}$

$9 \times 8 = \square \rightarrow \boxed{\text{C}}$

$9 \times 7 = \square \rightarrow \boxed{\text{R}}$

$3 \times 5 = \square \rightarrow \boxed{\text{G}}$

$7 \times 5 = \square \rightarrow \boxed{\text{A}}$

$7 \times 8 = \square \rightarrow \boxed{\text{I}}$

$12 \times 1 = \square \rightarrow \boxed{\text{U}}$

$3 \times 1 = \square \rightarrow \boxed{\text{H}}$

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

$5 \times 1 = \square \rightarrow \boxed{\text{D}}$

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

$9 \times 4 = \square \rightarrow \boxed{\text{O}}$

Scratch space:

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

We need to share the block cleanup duties evenly among the online mods. Divide the dirty slime blocks among us to see if the Griefer used a left or right hand.

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:

$14 \div 2 = \boxed{}$

$108 \div 12 = \boxed{}$

$12 \div 4 = \boxed{}$

$66 \div 11 = \boxed{}$

$40 \div 8 = \boxed{}$

$96 \div 12 = \boxed{}$

$60 \div 5 = \boxed{}$

$20 \div 10 = \boxed{}$

$33 \div 3 = \boxed{}$

$110 \div 11 = \boxed{}$

$7 \div 7 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain slashed the defensive banners, then boosted into the sky with fireworks.
2. The villain shot down the redstone lamps, then teleported away using ender pearls.
3. The villain dug a massive pit under the gate, then glided off into the dark night.
4. The villain dug a massive pit under the gate, then drank a potion to vanish completely.
5. The villain shot down the redstone lamps, then survived a long fall with a totem.
6. The villain mined through the stone wall, then drank a potion to vanish completely.
7. The villain dug a massive pit under the gate, then teleported away using ender pearls.
8. The villain lit the wooden roof on fire, then boosted into the sky with fireworks.
9. The villain slashed the defensive banners, then glided off into the dark night.
10. The villain mined through the stone wall, then teleported away using ender pearls.
11. The villain lit the wooden roof on fire, then survived a long fall with a totem.
12. The villain dug a massive pit under the gate, then boosted into the sky with fireworks.

Answer Key

The Spawn Castle Sabotage

Culprit: Stampy

Golden Shovel · Invisibility Potions · Right-handed swing · No Helmet · Iron Golem

Trail: Start 21 → Clue 1 18 → Clue 2 14 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE GRIEFER HAS NO TOTEM"

$3672 + 5455 = 9127$ (T) · $2482 + 1835 = 4317$ (G) · $1180 + 1751 = 2931$ (A) · $2697 + 4256 = 6953$ (S) · $3627 + 2027 = 5654$ (N) · $2872 + 3069 = 5941$ (O) · $5129 + 4140 = 9269$ (E) · $4070 + 2427 = 6497$ (H) · $4603 + 3326 = 7929$ (R) · $2145 + 2105 = 4250$ (F) · $2927 + 1768 = 4695$ (M) · $1173 + 1277 = 2450$ (I)

Clue 2 (Rounding): "THE BLOCKS WERE SMASHED FROM THE RIGHT"

Round 373 to the nearest ten = 370 (T) · Round 290 to the nearest ten = 290 (F) · Round 488 to the nearest hundred = 500 (C) · Round 4,340 to the nearest hundred = 4300 (D) · Round 4,809 to the nearest thousand = 5000 (R) · Round 2,903 to the nearest hundred = 2900 (M) · Round 127 to the nearest ten = 130 (L) · Round 216 to the nearest hundred = 200 (I) · Round 8,541 to the nearest thousand = 9000 (S) · Round 2,276 to the nearest hundred = 2300 (K) · Round 6,785 to the nearest thousand = 7000 (G) · Round 1,348 to the nearest hundred = 1300 (W) · Round 29 to the nearest ten = 30 (A) · Round 2,529 to the nearest thousand = 3000 (H) · Round 880 to the nearest hundred = 900 (E) · Round 49 to the nearest ten = 50 (B) · Round 73 to the nearest ten = 70 (O)

Clue 3 (Subtraction): "THE GRIEFER WAS CHASED BY A GOLEM"

$7996 - 4200 = 3796$ (T) · $7472 - 276 = 7196$ (O) · $3848 - 1202 = 2646$ (L) · $11388 - 4530 = 6858$ (B) · $4822 - 1733 = 3089$ (S) · $8273 - 1516 = 6757$ (A) · $8237 - 4944 = 3293$ (H) · $3717 - 2692 = 1025$ (W) · $12502 - 4530 = 7972$ (C) · $4390 - 2955 = 1435$ (D) · $8985 - 4901 = 4084$ (E) · $2286 - 1256 = 1030$ (G) · $12515 - 3634 = 8881$ (I) · $4186 - 3122 = 1064$ (Y) · $9493 - 4903 = 4590$ (M) · $6964 - 3458 = 3506$ (F) · $2771 - 267 = 2504$ (R)

Clue 4 (Multiplication facts (1-12)): "THE COLD WIND BLEW THROUGH THEIR HAIR"

$9 \times 9 = 81$ (T) · $3 \times 10 = 30$ (L) · $7 \times 10 = 70$ (N) · $10 \times 6 = 60$ (B) · $9 \times 8 = 72$ (C) · $9 \times 7 = 63$ (R) · $3 \times 5 = 15$ (G) · $7 \times 5 = 35$ (A) · $7 \times 8 = 56$ (I) · $12 \times 1 = 12$ (U) · $3 \times 1 = 3$ (H) · $7 \times 7 = 49$ (E) · $5 \times 1 = 5$ (D) · $11 \times 11 = 121$ (W) · $9 \times 4 = 36$ (O)

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

$14 \div 2 = 7$ · $108 \div 12 = 9$ · $12 \div 4 = 3$ · $66 \div 11 = 6$ · $40 \div 8 = 5$ · $96 \div 12 = 8$ · $60 \div 5 = 12$ · $20 \div 10 = 2$ · $33 \div 3 = 11$ · $110 \div 11 = 10$ · $7 \div 7 = 1$