



The Great Griefer of Craftia

Grade 7 math · Addition, Subtraction, Multiplication, Rounding, Division · Reading level grades 7-9

Detective: _____ Date: _____

An unknown player has bypassed spawn protections and grieved the server's magnificent spawn castle! Cobblestone is everywhere, lava is pouring down the castle walls, and the diamond block throne is completely gone. As the chief investigator, you must decode the server logs, complete the math puzzles, and find the culprit before the entire 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 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 STRATEGY	SECONDARY TOOL	MAIN-HAND PREFERENCE	HELMET CHOICE	TACTICAL WEAKNESS
Technoblade	Potion Brewing	Milk Bucket Drinking	Right-Handed swing	Leather Cap	Obsidian Wall
Steve	Netherite Defense	Spawn Egg Summoning	Left-Handed swing	Gold Helmet	Milk Bucket
EthosLab	TNT Cannonry	Diamond Pickaxe Mining	Right-Handed swing	Iron Helmet	Milk Bucket
FalseSymmetry	Netherite Defense	Ender Pearl Teleporting	Right-Handed swing	Iron Helmet	Water Bucket
Shubble	Redstone Wiring	Diamond Pickaxe Mining	Right-Handed swing	Gold Helmet	Water Bucket
Dream	Redstone Wiring	Spawn Egg Summoning	Left-Handed swing	Leather Cap	Obsidian Wall
CaptainSparklez	Elytra Gliding	Spawn Egg Summoning	Left-Handed swing	Gold Helmet	Water Bucket
Alex	Netherite Defense	Milk Bucket Drinking	Left-Handed swing	Gold Helmet	Water Bucket
Grian	TNT Cannonry	Totem of Undying	Left-Handed swing	Gold Helmet	Water Bucket
LDShadowLady	Netherite Defense	Ender Pearl Teleporting	Left-Handed swing	Leather Cap	Milk Bucket
GeminiTay	TNT Cannonry	Milk Bucket Drinking	Left-Handed swing	Iron Helmet	Water Bucket
DanTDM	Redstone Wiring	Spawn Egg Summoning	Right-Handed swing	Iron Helmet	Obsidian Wall
VintageBeef	Netherite Defense	Diamond Pickaxe Mining	Left-Handed swing	Gold Helmet	Water Bucket
Rendog	Potion Brewing	Spawn Egg Summoning	Left-Handed swing	Gold Helmet	Obsidian Wall
Docm77	Elytra Gliding	Diamond Pickaxe Mining	Left-Handed swing	Leather Cap	Milk Bucket
Cubfan135	TNT Cannonry	Ender Pearl Teleporting	Left-Handed swing	Gold Helmet	Milk Bucket
BdoubleO100	Netherite Defense	Totem of Undying	Left-Handed swing	Leather Cap	Water Bucket
Sapnap	Redstone Wiring	Milk Bucket Drinking	Right-Handed swing	Iron Helmet	Milk Bucket
Smajor1995	Elytra Gliding	Diamond Pickaxe Mining	Left-Handed swing	Gold Helmet	Obsidian Wall
Stampy	TNT Cannonry	Milk Bucket Drinking	Left-Handed swing	Gold Helmet	Water Bucket
MumboJumbo	Potion Brewing	Totem of Undying	Left-Handed swing	Iron Helmet	Obsidian Wall

CLUE 1 Addition

The Griefer escaped through a ruined portal. To calculate how many blocks were damaged, the server admin added up the obsidian piles in the swamp and the plains.

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

Diagram illustrating a sequence of numbers arranged in two rows of boxes. The top row contains 15 boxes, and the bottom row contains 12 boxes. Some boxes are orange and contain the letter 'T', while others are white and empty. The numbers below the boxes are as follows:

Row	Box 1	Box 2	Box 3	Box 4	Box 5	Box 6	Box 7	Box 8	Box 9	Box 10	Box 11	Box 12	Box 13	Box 14	Box 15		
Top Row	T														T		
Numbers	6766	2221	4944	2016	2944	6992	4944	2688	4944	2944	5361	7918	4944	5421	6969	7918	6766
Bottom Row																	
Numbers	8011	5421	4944	5421	3092	7808	3237	6969	4944	2016	2016	5421					

$$4579 + 2187 = \boxed{} \rightarrow \boxed{\text{T}}$$

$916 + 1772 = \boxed{} \rightarrow \boxed{\text{F}}$

$1780 + 1312 = \boxed{} \rightarrow \boxed{\text{P}}$

$$4258 + 3753 = \boxed{} \rightarrow \boxed{\text{U}}$$

$957 + 1059 = \boxed{} \rightarrow \boxed{\text{G}}$

$$947 + 1274 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$2689 + 2255 = \boxed{} \rightarrow \boxed{\text{E}}$$

$4183 + 2786 = \boxed{} \rightarrow \boxed{\text{N}}$

$$4415 + 3503 = \boxed{} \rightarrow \boxed{0}$$

$$2041 + 1196 = \boxed{} \rightarrow \boxed{\mathbf{W}}$$

$3731 + 4077 = \boxed{} \rightarrow \boxed{\text{A}}$

$3264 + 2097 = \boxed{} \rightarrow \boxed{\text{D}}$

$$2769 + 4223 = \boxed{} \rightarrow \boxed{} \text{ I }$$

$$1635 + 3786 = \boxed{} \rightarrow \mathbf{S}$$

$$1476 + 1468 = \boxed{} \rightarrow \mathbf{R}$$

Scratch space:

CLUE 2 Subtraction

The thief looted the spawn armory chest. By subtracting the remaining iron boots from the original stockpile, the builder found a scrap of armor left in the lockbox.

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

L												L				
5851	3490	3630	4709	4396	5419	4897	5941	3490	5941	4061	5851	1707	8047	6146	5749	

	L															L
4979	5851	5419	8047	3490	5941	1707	4897	4709	4396	3490	4979	1707	7189	4709	5419	5851

$$9817 - 3966 = \boxed{} \rightarrow \boxed{\text{L}}$$

$$9614 - 2425 = \boxed{} \rightarrow \boxed{\text{R}}$$

$$8235 - 2294 = \boxed{} \rightarrow \boxed{\text{D}}$$

$$3083 - 1376 = \boxed{} \rightarrow \boxed{\text{O}}$$

$$6002 - 1941 = \boxed{} \rightarrow \boxed{\text{B}}$$

$$10965 - 4819 = \boxed{} \rightarrow \boxed{\text{K}}$$

$$7282 - 2573 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$9177 - 4280 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$5949 - 2459 = \boxed{} \rightarrow \boxed{\text{E}}$$

$$4809 - 413 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$6718 - 1739 = \boxed{} \rightarrow \boxed{\text{P}}$$

$$4611 - 981 = \boxed{} \rightarrow \boxed{\text{F}}$$

$$9266 - 3847 = \boxed{} \rightarrow \boxed{\text{A}}$$

$$10370 - 4621 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$8161 - 114 = \boxed{} \rightarrow \boxed{\text{C}}$$

Scratch space:

CLUE 3

Multiplication facts (1-12)

To track the Griefer's speed, the search party counted the grid of melons ruined in the farm. Multiplying the columns of crushed crops by the rows gave them the exact coordinate of the escape tunnel.

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

T																			
24	27	7	20	42	21	7	121	7	42	35	33	60	50	7	64	64	60	50	49
10	55	50	77	24	7	42	121	33	60	50	35								

$8 \times 3 = \square \rightarrow \boxed{\text{T}}$

$7 \times 1 = \square \rightarrow \boxed{\text{E}}$

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

$3 \times 11 = \square \rightarrow \boxed{\text{L}}$

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

$7 \times 3 = \square \rightarrow \boxed{\text{I}}$

$3 \times 9 = \square \rightarrow \boxed{\text{H}}$

$12 \times 5 = \square \rightarrow \boxed{\text{O}}$

$5 \times 10 = \square \rightarrow \boxed{\text{W}}$

$7 \times 11 = \square \rightarrow \boxed{\text{A}}$

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

$10 \times 2 = \square \rightarrow \boxed{\text{G}}$

$2 \times 5 = \square \rightarrow \boxed{\text{B}}$

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

$5 \times 11 = \square \rightarrow \boxed{\text{Y}}$

$6 \times 7 = \square \rightarrow \boxed{\text{R}}$

Scratch space:

CLUE 4 Rounding

The compass coordinate for the villain's secret hideout was fuzzy. The tracking plugin only displayed coordinates rounded to the nearest ten blocks, forcing the team to estimate the landing zone.

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

B																					
230	110	2300	2000	500	170	1700	30	5000	5000	20	430	200	30	170	130	5000	5000	2300	1300		
90	5000	130	370	30	2900	7000	2300	2900	1300	20	3700	30	110	30	7000						

Round 229 to the nearest ten → **B**

Round 2,159 to the nearest thousand → **G**

Round 5,082 to the nearest thousand → **L**

Round 20 to the nearest ten → **O**

Round 2,933 to the nearest hundred → **S**

Round 426 to the nearest ten → **W**

Round 249 to the nearest hundred → **M**

Round 7,162 to the nearest thousand → **D**

Round 370 to the nearest ten → **K**

Round 545 to the nearest hundred → **H**

Round 3,678 to the nearest hundred → **V**

Round 1,331 to the nearest hundred → **C**

Round 131 to the nearest ten → **A**

Round 2,306 to the nearest hundred → **I**

Round 1,686 to the nearest hundred → **Y**

Round 28 to the nearest ten → **E**

Round 171 to the nearest ten → **T**

Round 110 to the nearest ten → **R**

Round 92 to the nearest ten → **F**

Scratch space:

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

Before storming the stronghold, the heroes divided their golden carrots equally among the five squad members to ensure everyone had enough hunger points to survive the battle.

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:

$3 \div 1 = \boxed{}$

$5 \div 1 = \boxed{}$

$12 \div 1 = \boxed{}$

$6 \div 1 = \boxed{}$

$44 \div 4 = \boxed{}$

$9 \div 1 = \boxed{}$

$6 \div 6 = \boxed{}$

$63 \div 9 = \boxed{}$

$40 \div 5 = \boxed{}$

$8 \div 2 = \boxed{}$

$18 \div 9 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain wired a secret redstone trap, then cheated death using a totem of undying.
2. The villain splashed a potion of harming, then summoned angry zombies with spawn eggs.
3. The villain ignited a massive TNT cannon, then drank a bucket of milk to clear the poison.
4. The villain splashed a potion of harming, then cheated death using a totem of undying.
5. The villain charged in with netherite armor, then mined a getaway shaft with a diamond pickaxe.
6. The villain charged in with netherite armor, then summoned angry zombies with spawn eggs.
7. The villain wired a secret redstone trap, then summoned angry zombies with spawn eggs.
8. The villain splashed a potion of harming, then mined a getaway shaft with a diamond pickaxe.
9. The villain splashed a potion of harming, then drank a bucket of milk to clear the poison.
10. The villain ignited a massive TNT cannon, then cheated death using a totem of undying.
11. The villain ignited a massive TNT cannon, then teleported away with an ender pearl.
12. The villain charged in with netherite armor, then drank a bucket of milk to clear the poison.

Answer Key

The Great Griever of Craftia

Culprit: Grian

TNT Cannonry · Totem of Undying · Left-Handed swing · Gold Helmet · Water Bucket

Trail: Start 21 → Clue 1 16 → Clue 2 11 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE GRIEFER DOES NOT USE SPAWN EGGS"

$4579 + 2187 = 6766$ (T) · $916 + 1772 = 2688$ (F) · $1780 + 1312 = 3092$ (P) · $4258 + 3753 = 8011$ (U) · $957 + 1059 = 2016$ (G) · $947 + 1274 = 2221$ (H) · $2689 + 2255 = 4944$ (E) · $4183 + 2786 = 6969$ (N) · $4415 + 3503 = 7918$ (O) · $2041 + 1196 = 3237$ (W) · $3731 + 4077 = 7808$ (A) · $3264 + 2097 = 5361$ (D) · $2769 + 4223 = 6992$ (I) · $1635 + 3786 = 5421$ (S) · $1476 + 1468 = 2944$ (R)

Clue 2 (Subtraction): "LEFT HANDED BLOCKS PLACED ON THE PORTAL"

$9817 - 3966 = 5851$ (L) · $9614 - 2425 = 7189$ (R) · $8235 - 2294 = 5941$ (D) · $3083 - 1376 = 1707$ (O) · $6002 - 1941 = 4061$ (B) · $10965 - 4819 = 6146$ (K) · $7282 - 2573 = 4709$ (T) · $9177 - 4280 = 4897$ (N) · $5949 - 2459 = 3490$ (E) · $4809 - 413 = 4396$ (H) · $6718 - 1739 = 4979$ (P) · $4611 - 981 = 3630$ (F) · $9266 - 3847 = 5419$ (A) · $10370 - 4621 = 5749$ (S) · $8161 - 114 = 8047$ (C)

Clue 3 (Multiplication facts (1-12)): "THE GRIEFER SLOWED DOWN BY WATER FLOWS"

$8 \times 3 = 24$ (T) · $7 \times 1 = 7$ (E) · $7 \times 7 = 49$ (N) · $3 \times 11 = 33$ (L) · $11 \times 11 = 121$ (F) · $7 \times 3 = 21$ (I) · $3 \times 9 = 27$ (H) · $12 \times 5 = 60$ (O) · $5 \times 10 = 50$ (W) · $7 \times 11 = 77$ (A) · $5 \times 7 = 35$ (S) · $10 \times 2 = 20$ (G) · $2 \times 5 = 10$ (B) · $8 \times 8 = 64$ (D) · $5 \times 11 = 55$ (Y) · $6 \times 7 = 42$ (R)

Clue 4 (Rounding): "BRIGHT YELLOW METALLIC FLAKES DISCOVERED"

Round 229 to the nearest ten = 230 (B) · Round 2,159 to the nearest thousand = 2000 (G) · Round 5,082 to the nearest thousand = 5000 (L) · Round 20 to the nearest ten = 20 (O) · Round 2,933 to the nearest hundred = 2900 (S) · Round 426 to the nearest ten = 430 (W) · Round 249 to the nearest hundred = 200 (M) · Round 7,162 to the nearest thousand = 7000 (D) · Round 370 to the nearest ten = 370 (K) · Round 545 to the nearest hundred = 500 (H) · Round 3,678 to the nearest hundred = 3700 (V) · Round 1,331 to the nearest hundred = 1300 (C) · Round 131 to the nearest ten = 130 (A) · Round 2,306 to the nearest hundred = 2300 (I) · Round 1,686 to the nearest hundred = 1700 (Y) · Round 28 to the nearest ten = 30 (E) · Round 171 to the nearest ten = 170 (T) · Round 110 to the nearest ten = 110 (R) · Round 92 to the nearest ten = 90 (F)

Clue 5 (Division facts (1-12)): surviving statement is box 10 → Grian

$3 \div 1 = 3$ · $5 \div 1 = 5$ · $12 \div 1 = 12$ · $6 \div 1 = 6$ · $44 \div 4 = 11$ · $9 \div 1 = 9$ · $6 \div 6 = 1$ · $63 \div 9 = 7$ · $40 \div 5 = 8$ · $8 \div 2 = 4$ · $18 \div 9 = 2$