



The Great Dragon Egg Grief

Grade 5 math · Multiplication, Fractions of a number, Order of operations, Rounding, Division · Reading level grades 5-6

Detective: _____ **Date:** _____

The Server Host's legendary Ender Dragon Egg has been grieved right out of the spawn lobby! A rogue player used custom hacks to bypass the server protections and swipe it. We have a list of twenty-four suspect players who were online when the chunk loaded. Analyze the clues to find the thief!

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 Rogue is _____

Possible suspects

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

NAME	PRIMARY MOD TOOL	OFF-HAND ITEM	ACTIVE INVENTORY SCREEN	BLOCKY HAIR COLOR	IN-GAME PHOBIA
CaptainPuffy	Golden Apple	Totem of Undying	Left-handed layout	Copper Orange	Scared of Creepers
StacyPlays	Netherite Sword	Clock	Left-handed layout	Obsidian Black	Fraid of heights
GoodTimesWithScar	Ender Pearl	Totem of Undying	Right-handed layout	Copper Orange	Fraid of heights
Grian	Diamond Pickaxe	Totem of Undying	Left-handed layout	Lapis Blue	Fraid of heights
Aphmau	Diamond Pickaxe	Water Bucket	Left-handed layout	Obsidian Black	Fraid of heights
Steve	Ender Pearl	Clock	Left-handed layout	Lapis Blue	Fraid of heights
Ranboo	Netherite Sword	Water Bucket	Left-handed layout	Obsidian Black	Scared of Creepers
Stampy	Ender Pearl	Shield	Left-handed layout	Obsidian Black	Fraid of heights
DanTDM	Golden Apple	Shield	Left-handed layout	Obsidian Black	Scared of Creepers
Skeppy	Netherite Sword	Water Bucket	Right-handed layout	Copper Orange	Scared of Creepers
SB737	Netherite Sword	Totem of Undying	Right-handed layout	Copper Orange	Scared of Creepers
LDShadowLady	Ender Pearl	Totem of Undying	Right-handed layout	Obsidian Black	Scared of Creepers
MumboJumbo	Diamond Pickaxe	Shield	Left-handed layout	Lapis Blue	Scared of Creepers
EthosLab	Redstone Repeater	Water Bucket	Left-handed layout	Obsidian Black	Scared of Creepers
Tubbo	Redstone Repeater	Shield	Right-handed layout	Obsidian Black	Scared of Creepers
TommyInnit	Diamond Pickaxe	Spyglass	Left-handed layout	Obsidian Black	Scared of Creepers
GeorgeNotFound	Ender Pearl	Clock	Left-handed layout	Obsidian Black	Scared of Creepers
Alex	Golden Apple	Spyglass	Right-handed layout	Obsidian Black	Scared of Creepers
CaptainSparklez	Netherite Sword	Water Bucket	Right-handed layout	Copper Orange	Dislikes lava
JeromeASF	Redstone Repeater	Clock	Left-handed layout	Copper Orange	Scared of Creepers
Sapnap	Golden Apple	Water Bucket	Left-handed layout	Obsidian Black	Fraid of heights

Multiplication facts (1-12)

You find a stack of crafting tables arranged in perfect rows and columns near the spawn point. By calculating the total number of tables, we can decode the first clue left on the signpost.

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

7 14 40 7 14 4 40 54

2 10 40 16 50 10 7 80 16 40 1

16 110 88 70 90 1 16 16

$$1 \times 7 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$5 \times 10 = \boxed{} \rightarrow \boxed{\text{N}}$$

$10 \times 4 = \boxed{} \rightarrow \boxed{\text{E}}$

$1 \times 1 = \square \rightarrow \boxed{\mathbf{A}}$

$$7 \times 2 = \boxed{} \rightarrow \boxed{\text{H}}$$

$10 \times 7 = \boxed{} \rightarrow \boxed{\mathbf{G}}$

$10 \times 8 = \square \rightarrow \boxed{\mathbf{U}}$

$10 \times 11 = \boxed{} \rightarrow \boxed{\text{P}}$

$2 \times 2 = \square \rightarrow \boxed{1}$

$$2 \times 8 = \boxed{} \rightarrow \boxed{\mathbf{S}}$$

$1 \times 2 = \boxed{} \rightarrow \boxed{\mathbf{D}}$

$$8 \times 11 = \boxed{} \rightarrow \boxed{\mathbf{Y}}$$

$9 \times 10 = \boxed{} \rightarrow \boxed{\text{L}}$

$6 \times 9 = \boxed{} \rightarrow \boxed{\mathbf{F}}$

$$10 \times 1 = \boxed{} \rightarrow \boxed{0}$$

Scratch space:

CLUE 2
Fractions of a number

A chest in the mines holds a stack of sixty-four iron ingots, but the thief only took a specific fraction of them to forge a key. Find the fraction of the stack to unlock the next hint.

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

T						T												
36	18	29	19	18	13	36	32	13	7	2	13	21	23	14	29	16	29	6

		T						T										
23	16	36	18	29	40	29	37	36	21	10	6	29						

$2/3 \text{ of } 54 = \square \rightarrow \text{ T }$

$2/8 \text{ of } 24 = \square \rightarrow \text{ D }$

$1/2 \text{ of } 74 = \square \rightarrow \text{ F }$

$2/4 \text{ of } 28 = \square \rightarrow \text{ P }$

$4/8 \text{ of } 80 = \square \rightarrow \text{ L }$

$1/10 \text{ of } 190 = \square \rightarrow \text{ C }$

$1/4 \text{ of } 40 = \square \rightarrow \text{ I }$

$1/10 \text{ of } 70 = \square \rightarrow \text{ R }$

$1/3 \text{ of } 69 = \square \rightarrow \text{ O }$

$1/5 \text{ of } 10 = \square \rightarrow \text{ W }$

$3/6 \text{ of } 64 = \square \rightarrow \text{ B }$

$3/6 \text{ of } 58 = \square \rightarrow \text{ E }$

$1/5 \text{ of } 65 = \square \rightarrow \text{ A }$

$1/3 \text{ of } 54 = \square \rightarrow \text{ H }$

$1/10 \text{ of } 160 = \square \rightarrow \text{ N }$

$1/6 \text{ of } 126 = \square \rightarrow \text{ S }$

Scratch space:

CLUE 3
Order of operations

To bypass the redstone lock on the vault, you must solve the equation on the door by doing the multiplication before the subtraction. Solving it reveals a hidden note.

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

T																	
29	30	25	49	77	49	33	25	43	29	16	63	76	63	11	63	60	
74	16	18	59	65	16	25	25	76	59	18	76	49	T				

$5 \times 10 - 21 = \square \rightarrow \text{T}$

$17 + 4 \times 2 = \square \rightarrow \text{E}$

$6 \times 10 - 1 = \square \rightarrow \text{M}$

$61 + 2 \times 8 = \square \rightarrow \text{U}$

$4 + 4 \times 3 = \square \rightarrow \text{R}$

$2 \times 6 - 1 = \square \rightarrow \text{W}$

$2 \times 12 - 6 = \square \rightarrow \text{O}$

$10 \times 5 - 17 = \square \rightarrow \text{P}$

$8 \times 9 - 9 = \square \rightarrow \text{A}$

$7 \times 10 - 21 = \square \rightarrow \text{S}$

$19 + 6 \times 4 = \square \rightarrow \text{C}$

$10 \times 8 - 4 = \square \rightarrow \text{N}$

$4 \times 11 - 14 = \square \rightarrow \text{H}$

$29 + 9 \times 4 = \square \rightarrow \text{G}$

$8 \times 12 - 22 = \square \rightarrow \text{F}$

$7 \times 10 - 10 = \square \rightarrow \text{Y}$

Scratch space:

CLUE 4 Rounding

Your tracking compass detects the thief's distance, but the screen is pixelated and only displays coordinates rounded to the nearest ten blocks. Use the rounded value to scan the map.

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

D									D								
3700	700	200	130	110	290	700	500	3700	9000	7000	370	30	700	7000			
				D													
1300	290	9000	230	3700	290	230	370	1100	4300	1700	9000	370	370	290	230		

Round 3,688 to the nearest hundred → **D**

Round 9,079 to the nearest thousand → **U**

Round 4,314 to the nearest hundred → **E**

Round 227 to the nearest ten → **N**

Round 367 to the nearest ten → **T**

Round 542 to the nearest hundred → **L**

Round 1,290 to the nearest hundred → **F**

Round 152 to the nearest hundred → **R**

Round 294 to the nearest ten → **O**

Round 132 to the nearest ten → **K**

Round 719 to the nearest hundred → **A**

Round 6,838 to the nearest thousand → **S**

Round 1,663 to the nearest hundred → **B**

Round 1,095 to the nearest hundred → **H**

Round 33 to the nearest ten → **W**

Round 111 to the nearest ten → **C**

Scratch space:

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

The local villagers agree to share their remaining emeralds equally among the five trading stalls. Dividing the loot evenly reveals the final piece of evidence.

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:

$2 \div 1 = \boxed{}$

$12 \div 1 = \boxed{}$

$48 \div 6 = \boxed{}$

$3 \div 3 = \boxed{}$

$60 \div 10 = \boxed{}$

$54 \div 6 = \boxed{}$

$28 \div 4 = \boxed{}$

$3 \div 1 = \boxed{}$

$66 \div 6 = \boxed{}$

$4 \div 1 = \boxed{}$

$10 \div 1 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain mined through the bedrock lobby floor, then placed a water bucket to stop the fall.
2. The villain teleported behind the security barrier, then timed the escape perfectly by the clock.
3. The villain teleported behind the security barrier, then spotted the guards from afar with a spyglass.
4. The villain slashed open the obsidian vault doors, then clutched with a totem of undying.
5. The villain slashed open the obsidian vault doors, then placed a water bucket to stop the fall.
6. The villain ate a golden apple to ignore damage, then spotted the guards from afar with a spyglass.
7. The villain teleported behind the security barrier, then placed a water bucket to stop the fall.
8. The villain ate a golden apple to ignore damage, then blocked the incoming arrows with a shield.
9. The villain ate a golden apple to ignore damage, then clutched with a totem of undying.
10. The villain wired a massive redstone explosion, then clutched with a totem of undying.
11. The villain ate a golden apple to ignore damage, then timed the escape perfectly by the clock.
12. The villain wired a massive redstone explosion, then placed a water bucket to stop the fall.

Answer Key

The Great Dragon Egg Grief

Culprit: Ranboo

Netherite Sword · Water Bucket · Left-handed layout · Obsidian Black · Scared of Creepers

Trail: Start 21 → Clue 1 19 → Clue 2 13 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE THIEF DOES NOT USE A SPYGLASS"

$1 \times 7 = 7$ (T) · $5 \times 10 = 50$ (N) · $10 \times 4 = 40$ (E) · $1 \times 1 = 1$ (A) · $7 \times 2 = 14$ (H) · $10 \times 7 = 70$ (G) · $10 \times 8 = 80$ (U) · $10 \times 11 = 110$ (P) · $2 \times 2 = 4$ (I) · $2 \times 8 = 16$ (S) · $1 \times 2 = 2$ (D) · $8 \times 11 = 88$ (Y) · $9 \times 10 = 90$ (L) · $6 \times 9 = 54$ (F) · $10 \times 1 = 10$ (O)

Clue 2 (Fractions of a number): "THE CHAT BAR WAS OPENED ON THE LEFT SIDE"

$\frac{2}{3}$ of 54 = 36 (T) · $\frac{2}{8}$ of 24 = 6 (D) · $\frac{1}{2}$ of 74 = 37 (F) · $\frac{2}{4}$ of 28 = 14 (P) · $\frac{4}{8}$ of 80 = 40 (L) · $\frac{1}{10}$ of 190 = 19 (C) · $\frac{1}{4}$ of 40 = 10 (I) · $\frac{1}{10}$ of 70 = 7 (R) · $\frac{1}{3}$ of 69 = 23 (O) · $\frac{1}{5}$ of 10 = 2 (W) · $\frac{3}{6}$ of 64 = 32 (B) · $\frac{3}{6}$ of 58 = 29 (E) · $\frac{1}{5}$ of 65 = 13 (A) · $\frac{1}{3}$ of 54 = 18 (H) · $\frac{1}{10}$ of 160 = 16 (N) · $\frac{1}{6}$ of 126 = 21 (S)

Clue 3 (Order of operations): "THE SUSPECT RAN AWAY FROM GREEN MONSTERS"

$5 \times 10 - 21 = 29$ (T) · $17 + 4 \times 2 = 25$ (E) · $6 \times 10 - 1 = 59$ (M) · $61 + 2 \times 8 = 77$ (U) · $4 + 4 \times 3 = 16$ (R) · $2 \times 6 - 1 = 11$ (W) · $2 \times 12 - 6 = 18$ (O) · $10 \times 5 - 17 = 33$ (P) · $8 \times 9 - 9 = 63$ (A) · $7 \times 10 - 21 = 49$ (S) · $19 + 6 \times 4 = 43$ (C) · $10 \times 8 - 4 = 76$ (N) · $4 \times 11 - 14 = 30$ (H) · $29 + 9 \times 4 = 65$ (G) · $8 \times 12 - 22 = 74$ (F) · $7 \times 10 - 10 = 60$ (Y)

Clue 4 (Rounding): "DARK COAL DUST WAS FOUND ON THE BUTTON"

Round 3,688 to the nearest hundred = 3700 (D) · Round 9,079 to the nearest thousand = 9000 (U) · Round 4,314 to the nearest hundred = 4300 (E) · Round 227 to the nearest ten = 230 (N) · Round 367 to the nearest ten = 370 (T) · Round 542 to the nearest hundred = 500 (L) · Round 1,290 to the nearest hundred = 1300 (F) · Round 152 to the nearest hundred = 200 (R) · Round 294 to the nearest ten = 290 (O) · Round 132 to the nearest ten = 130 (K) · Round 719 to the nearest hundred = 700 (A) · Round 6,838 to the nearest thousand = 7000 (S) · Round 1,663 to the nearest hundred = 1700 (B) · Round 1,095 to the nearest hundred = 1100 (H) · Round 33 to the nearest ten = 30 (W) · Round 111 to the nearest ten = 110 (C)

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

$2 \div 1 = 2$ · $12 \div 1 = 12$ · $48 \div 6 = 8$ · $3 \div 3 = 1$ · $60 \div 10 = 6$ · $54 \div 6 = 9$ · $28 \div 4 = 7$ · $3 \div 1 = 3$ · $66 \div 6 = 11$ · $4 \div 1 = 4$ · $10 \div 1 = 10$