



The Spawn Point Sabotage

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

Detective: _____ Date: _____

A mysterious rogue crafter has locked the Head Builder inside a bedrock cage and scrambled the redstone coordinate system! We must analyze the blocky evidence left behind on the server to identify the culprit before they grief the entire spawn area.

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 Rogue Crafter is _____

Possible suspects

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

NAME	ACTIVE MOD	SPAWNED PET	MINING HAND	HELMET STYLE	LOOT WEAKNESS
Grian	Super Speed	Tamed Parrot	Left-handed swing	Iron Helmet	Splash Potion
Steve	TNT Spawner	Tamed Wolf	Right-handed swing	Iron Helmet	Water Bucket
GeminiTay	TNT Spawner	Ender Dragon	Right-handed swing	Diamond Helmet	Water Bucket
BdoubleO100	X-Ray Vision	Tamed Parrot	Right-handed swing	Netherite Helmet	Golden Apple
Docm77	Infinite Flight	Ender Dragon	Left-handed swing	Diamond Helmet	Golden Apple
iJevin	Super Speed	Blue Axolotl	Right-handed swing	Diamond Helmet	Golden Apple
EthosLab	Insta-Mining	Baby Zombie	Right-handed swing	Netherite Helmet	Water Bucket
Alex	TNT Spawner	Blue Axolotl	Left-handed swing	Iron Helmet	Water Bucket
Stampy	Insta-Mining	Tamed Parrot	Right-handed swing	Iron Helmet	Golden Apple
CaptainSparklez	Super Speed	Tamed Wolf	Right-handed swing	Iron Helmet	Golden Apple
ZombieCleo	Super Speed	Blue Axolotl	Left-handed swing	Iron Helmet	Water Bucket
Mumbo	Super Speed	Blue Axolotl	Right-handed swing	Iron Helmet	Golden Apple
fWhip	Super Speed	Tamed Parrot	Right-handed swing	Iron Helmet	Golden Apple
MythicalSausage	Super Speed	Tamed Parrot	Left-handed swing	Iron Helmet	Water Bucket
Shubble	Infinite Flight	Tamed Wolf	Right-handed swing	Diamond Helmet	Splash Potion
LDShadowLady	TNT Spawner	Ender Dragon	Right-handed swing	Iron Helmet	Water Bucket
Keralis	Super Speed	Ender Dragon	Left-handed swing	Iron Helmet	Golden Apple
Smajor	TNT Spawner	Ender Dragon	Right-handed swing	Iron Helmet	Golden Apple
GoodTimesWithScar	Insta-Mining	Blue Axolotl	Right-handed swing	Iron Helmet	Golden Apple
PearlescentMoon	Infinite Flight	Ender Dragon	Left-handed swing	Diamond Helmet	Water Bucket
DanTDM	Super Speed	Ender Dragon	Left-handed swing	Diamond Helmet	Golden Apple

CLUE 1

Multiplication facts (1-12)

We found a massive storage room filled with rows of double chests. To count the total items left by the saboteur, we need to multiply the number of stacks in each row.

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

T																T
44	10	16	7	8	77	77	35	8	33	64	22	16	120	33	22	44
														T		
10	35	7	16	35	66	77	96	16	35	54	22	77	22	44	77	

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

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

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

$2 \times 8 = \square \rightarrow \boxed{\text{E}}$

$2 \times 11 = \square \rightarrow \boxed{\text{O}}$

$8 \times 1 = \square \rightarrow \boxed{\text{I}}$

$12 \times 10 = \square \rightarrow \boxed{\text{S}}$

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

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

$12 \times 8 = \square \rightarrow \boxed{\text{U}}$

$6 \times 11 = \square \rightarrow \boxed{\text{B}}$

$6 \times 9 = \square \rightarrow \boxed{\text{X}}$

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

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

Scratch space:

Fractions of a number

The furnace fuel is nearly gone. If we can calculate the exact fraction of the coal block that was burned, we will unlock the secure security log.

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

A 2x10 grid of boxes. The first row contains the numbers 13, 29, 2, 6, 39, 6, 22, 37, 27, 32, 27, 18, 40, 29, 37, 2, 18. The second row contains the numbers 28, 13, 19, 38, 32, 39, 6, 32, 19, 28, 18, 29, 27, 29, 22, 37. The box containing the number 13 in the first row and the box containing the number 13 in the second row are highlighted in orange and contain a red letter 'R'.

$$2/4 \text{ of } 26 = \boxed{} \rightarrow \boxed{\text{R}}$$

6/10 of 10 = → **H**

$\frac{1}{3}$ of 114 = $\rightarrow$ **K**

$5/8$ of 64 = $\rightarrow$ **W**

3/10 of 130 = → **T**

$2/5$ of 80 = $\rightarrow$ **E**

$4/8$ of $38 = \boxed{} \rightarrow \boxed{0}$

5/10 of 44 = → **A**

4/10 of 5 = → **G**

$$1/10 \text{ of } 180 = \boxed{} \rightarrow \boxed{\text{S}}$$

$5/10$ of $56 = \boxed{} \rightarrow \boxed{\text{B}}$

$2/8$ of 108 = $\rightarrow$ **D**

$1/5$ of 145 = $\rightarrow$

5/10 of 74 = → **N**

Scratch space:

CLUE 3 Order of operations

The redstone repeater circuit requires a specific sequence of delay ticks to activate. Solve this multi-step equation to power up the holographic playback.

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

T																			
42	48	72	27	40	78	78	73	40	54	76	48	65	73	54	69	20	65	26	7
73	75	26	78	58	72	54	73	36	36	78	72								

$$32 + 5 \times 2 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$5 \times 9 - 19 = \boxed{} \rightarrow \boxed{\text{O}}$$

$$48 + 3 \times 9 = \boxed{} \rightarrow \boxed{\text{G}}$$

$$12 \times 8 - 18 = \boxed{} \rightarrow \boxed{\text{L}}$$

$$1 + 2 \times 3 = \boxed{} \rightarrow \boxed{\text{M}}$$

$$14 + 3 \times 2 = \boxed{} \rightarrow \boxed{\text{F}}$$

$$28 + 6 \times 2 = \boxed{} \rightarrow \boxed{\text{I}}$$

$$10 \times 8 - 26 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$41 + 5 \times 7 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$12 \times 6 - 14 = \boxed{} \rightarrow \boxed{\text{D}}$$

$$3 \times 10 - 3 = \boxed{} \rightarrow \boxed{\text{V}}$$

$$63 + 3 \times 2 = \boxed{} \rightarrow \boxed{\text{K}}$$

$$8 \times 8 - 16 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$9 \times 7 - 27 = \boxed{} \rightarrow \boxed{\text{P}}$$

$$9 \times 8 - 7 = \boxed{} \rightarrow \boxed{\text{R}}$$

$$66 + 2 \times 3 = \boxed{} \rightarrow \boxed{\text{E}}$$

$$7 \times 12 - 11 = \boxed{} \rightarrow \boxed{\text{A}}$$

Scratch space:

CLUE 4

The server compass is glitching and only displays approximate coordinates. Round these numbers to the nearest ten to pinpoint the exact explosion site.

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

[illegible]

Round 3,721 to the nearest hundred → **A**

Round 2,315 to the nearest hundred $\rightarrow$

Round 1,549 to the nearest thousand → **E**

Round 732 to the nearest hundred → **H**

Round 9,339 to the nearest thousand $\rightarrow$ **S**

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

Round 67 to the nearest ten $\rightarrow$ **C**

Round 1,666 to the nearest hundred $\rightarrow$ **N**

Round 2,917 to the nearest thousand → **G**

Round 2,914 to the nearest hundred $\rightarrow$ **T**

Round 46 to the nearest ten → **U**

Round 5,221 to the nearest thousand → **L**

Round 1,345 to the nearest hundred → ☐

Round 291 to the nearest ten $\rightarrow$ **R**

Round 113 to the nearest ten → **M**

Scratch space:

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

The villain dropped a pouch of stolen diamonds as they fled. Let us divide the total diamonds equally among the server guards to find the clue hidden inside.

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:

$12 \div 2 = \boxed{}$

$40 \div 5 = \boxed{}$

$11 \div 11 = \boxed{}$

$66 \div 6 = \boxed{}$

$12 \div 6 = \boxed{}$

$72 \div 6 = \boxed{}$

$99 \div 11 = \boxed{}$

$45 \div 9 = \boxed{}$

$42 \div 6 = \boxed{}$

$33 \div 11 = \boxed{}$

$40 \div 10 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain dashed across the obsidian bridge, then listened to a mimicking bird.
2. The villain dropped lit explosives everywhere, then fled beside a tiny green monster.
3. The villain dashed across the obsidian bridge, then fled beside a tiny green monster.
4. The villain dashed across the obsidian bridge, then carried a rare glowing fish.
5. The villain carved a tunnel instantly, then fled beside a tiny green monster.
6. The villain dashed across the obsidian bridge, then commanded a howling pack.
7. The villain carved a tunnel instantly, then carried a rare glowing fish.
8. The villain carved a tunnel instantly, then listened to a mimicking bird.
9. The villain peered through solid bedrock, then commanded a howling pack.
10. The villain dropped lit explosives everywhere, then summoned a massive dark beast.
11. The villain soared above the high canopy, then summoned a massive dark beast.
12. The villain peered through solid bedrock, then summoned a massive dark beast.

Answer Key

The Spawn Point Sabotage

Culprit: Smajor

TNT Spawner · Ender Dragon · Right-handed swing · Iron Helmet · Golden Apple

Trail: Start 21 → Clue 1 16 → Clue 2 10 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE VILLAIN DOES NOT HAVE A BLUE AXOLOTL"

$4 \times 11 = 44$ (T) · $7 \times 11 = 77$ (L) · $7 \times 5 = 35$ (A) · $2 \times 8 = 16$ (E) · $2 \times 11 = 22$ (O) · $8 \times 1 = 8$ (I) · $12 \times 10 = 120$ (S) · $2 \times 5 = 10$ (H) · $11 \times 3 = 33$ (N) · $12 \times 8 = 96$ (U) · $6 \times 11 = 66$ (B) · $6 \times 9 = 54$ (X) · $8 \times 8 = 64$ (D) · $1 \times 7 = 7$ (V)

Clue 2 (Fractions of a number): "RIGHT HANDED SWINGS BROKE THE OBSIDIAN"

$\frac{2}{4}$ of 26 = 13 (R) · $\frac{6}{10}$ of 10 = 6 (H) · $\frac{1}{3}$ of 114 = 38 (K) · $\frac{5}{8}$ of 64 = 40 (W) · $\frac{3}{10}$ of 130 = 39 (T) · $\frac{2}{5}$ of 80 = 32 (E) · $\frac{4}{8}$ of 38 = 19 (O) · $\frac{5}{10}$ of 44 = 22 (A) · $\frac{4}{10}$ of 5 = 2 (G) · $\frac{1}{10}$ of 180 = 18 (S) · $\frac{5}{10}$ of 56 = 28 (B) · $\frac{2}{8}$ of 108 = 27 (D) · $\frac{1}{5}$ of 145 = 29 (I) · $\frac{5}{10}$ of 74 = 37 (N)

Clue 3 (Order of operations): "THE VILLAIN SHRANK FROM A GOLDEN APPLE"

$32 + 5 \times 2 = 42$ (T) · $5 \times 9 - 19 = 26$ (O) · $48 + 3 \times 9 = 75$ (G) · $12 \times 8 - 18 = 78$ (L) · $1 + 2 \times 3 = 7$ (M) · $14 + 3 \times 2 = 20$ (F) · $28 + 6 \times 2 = 40$ (I) · $10 \times 8 - 26 = 54$ (N) · $41 + 5 \times 7 = 76$ (S) · $12 \times 6 - 14 = 58$ (D) · $3 \times 10 - 3 = 27$ (V) · $63 + 3 \times 2 = 69$ (K) · $8 \times 8 - 16 = 48$ (H) · $9 \times 7 - 27 = 36$ (P) · $9 \times 8 - 7 = 65$ (R) · $66 + 2 \times 3 = 72$ (E) · $7 \times 12 - 11 = 73$ (A)

Clue 4 (Rounding): "AN IRON HELMET SCRATCHED THE TUNNEL CEILING"

Round 3,721 to the nearest hundred = 3700 (A) · Round 2,315 to the nearest hundred = 2300 (I) · Round 1,549 to the nearest thousand = 2000 (E) · Round 732 to the nearest hundred = 700 (H) · Round 9,339 to the nearest thousand = 9000 (S) · Round 131 to the nearest ten = 130 (D) · Round 67 to the nearest ten = 70 (C) · Round 1,666 to the nearest hundred = 1700 (N) · Round 2,917 to the nearest thousand = 3000 (G) · Round 2,914 to the nearest hundred = 2900 (T) · Round 46 to the nearest ten = 50 (U) · Round 5,221 to the nearest thousand = 5000 (L) · Round 1,345 to the nearest hundred = 1300 (O) · Round 291 to the nearest ten = 290 (R) · Round 113 to the nearest ten = 110 (M)

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

$12 \div 2 = 6$ · $40 \div 5 = 8$ · $11 \div 11 = 1$ · $66 \div 6 = 11$ · $12 \div 6 = 2$ · $72 \div 6 = 12$ · $99 \div 11 = 9$ · $45 \div 9 = 5$ · $42 \div 6 = 7$ · $33 \div 11 = 3$ · $40 \div 10 = 4$