



The Great Block Server Heist

Grade 5 math · Addition, Subtraction, Multiplication, Fractions of a number, Division · Reading level grades 5-6

Detective: _____ **Date:** _____

Someone broke into the Master Vault on the Pixel Stone Server and scrambled the spawn portal coordinates! The Server Administrator needs your detective skills to search the digital realm, decode grid clues, and catch the player who committed the ultimate griefing crime.

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 Phantom 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	SPECIAL ITEM	WIELDING HAND	ARMOR TRIM	GLITCH COUNTER
ImpulseSV	Netherite Pick	Glow Ink	Left Handed	Ruby Trim	Pufferfish Poison
MumboJumbo	Diamond Sword	Golden Apple	Left Handed	Ruby Trim	Pufferfish Poison
PearlescentMoon	Redstone Bow	Ender Pearl	Left Handed	Ruby Trim	Splash Water
GoodTimesWithScar	Diamond Sword	Glow Ink	Right Handed	Amethyst Trim	Pufferfish Poison
CreeperChris	Netherite Pick	Glow Ink	Left Handed	Amethyst Trim	Pufferfish Poison
SteveCraft	Golden Axe	Golden Apple	Right Handed	Amethyst Trim	Splash Water
AlexBuilds	Netherite Pick	Slime Ball	Left Handed	Amethyst Trim	Pufferfish Poison
SmallishBeans	Golden Axe	Slime Ball	Right Handed	Amethyst Trim	Splash Water
Ethogear	Golden Axe	Glow Ink	Left Handed	Emerald Trim	Pufferfish Poison
GrianFan	Diamond Sword	Golden Apple	Left Handed	Ruby Trim	Splash Water
CraftyClaire	Trident	TNT Block	Right Handed	Amethyst Trim	Pufferfish Poison
HermitCrafty	Trident	Ender Pearl	Right Handed	Emerald Trim	Splash Water
LDShadowLady	Golden Axe	Golden Apple	Left Handed	Amethyst Trim	Lava Bucket
PixelPete	Trident	Golden Apple	Right Handed	Amethyst Trim	Splash Water
RedstoneRita	Golden Axe	Slime Ball	Left Handed	Emerald Trim	Pufferfish Poison
CaptainSparklez	Redstone Bow	Golden Apple	Left Handed	Amethyst Trim	Pufferfish Poison
Smajor	Diamond Sword	Ender Pearl	Right Handed	Amethyst Trim	Splash Water
BlockyBob	Trident	Golden Apple	Left Handed	Amethyst Trim	Pufferfish Poison
BdoubleO	Redstone Bow	Ender Pearl	Left Handed	Amethyst Trim	Pufferfish Poison
MythicalSausage	Redstone Bow	Slime Ball	Right Handed	Amethyst Trim	Pufferfish Poison
Stampy	Redstone Bow	TNT Block	Right Handed	Emerald Trim	Splash Water

CLUE 1 Addition

To calculate the total building blocks gathered for the portal repair, the craft team combined both server chests.

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 first row contains 18 boxes, and the second row contains 7 boxes. The first box in the first row and the 13th box in the first row are highlighted in orange and contain the letter 'T'.

Row 1 (Top):

T															T			
2651	5738	2587	6316	7569	4551	4551	2283	7569	6418	2879	7569	2879	6418	3840	2651	8049	9148	2587

Row 2 (Bottom):

9580	4551	3840	5516	7569	6418	9586

$1120 + 1531 = \boxed{} \rightarrow \boxed{\text{T}}$

$1765 + 1114 = \boxed{} \rightarrow \boxed{\text{D}}$

$1750 + 837 = \boxed{} \rightarrow \boxed{\text{E}}$

$845 + 1438 = \boxed{} \rightarrow \boxed{\mathbf{A}}$

$3096 + 6490 = \boxed{} \rightarrow \boxed{\text{K}}$

$6552 + 3028 = \boxed{} \rightarrow \boxed{\text{G}}$

$$4237 + 4911 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$2084 + 1756 = \boxed{} \rightarrow \boxed{\text{O}}$$

$$1808 + 3708 = \boxed{} \rightarrow \boxed{\mathbf{W}}$$

$3217 + 4832 = \boxed{} \rightarrow \boxed{\text{U}}$

$$2473 + 2078 = \boxed{} \rightarrow \boxed{\text{L}}$$

$$3666 + 2072 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$4144 + 3425 = \boxed{} \rightarrow \boxed{\text{I}}$$

$3636 + 2680 = \boxed{} \rightarrow \boxed{\mathbf{V}}$

$$2619 + 3799 = \boxed{} \rightarrow \boxed{\text{N}}$$

Scratch space:

CLUE 2

Subtraction

To figure out how many emeralds remained in the admin vault after the breach, you checked the digital ledger.

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

W									W					
5866	4428	4080	8486	1465	1054	1054	1054	8331	5866	8331	4860	1465	4179	4080

2381	8331	8486	2105	1465	2105	6081	2608	8331	4179	4080	1465	2608

$8442 - 2576 = \square \rightarrow \boxed{W}$

$2553 - 1088 = \square \rightarrow \boxed{E}$

$6852 - 1992 = \square \rightarrow \boxed{L}$

$4340 - 161 = \square \rightarrow \boxed{F}$

$4661 - 581 = \square \rightarrow \boxed{T}$

$8763 - 432 = \square \rightarrow \boxed{A}$

$6749 - 4368 = \square \rightarrow \boxed{H}$

$6448 - 367 = \square \rightarrow \boxed{C}$

$3915 - 2861 = \square \rightarrow \boxed{S}$

$12450 - 3964 = \square \rightarrow \boxed{N}$

$5436 - 3331 = \square \rightarrow \boxed{D}$

$8813 - 4385 = \square \rightarrow \boxed{I}$

$4765 - 2157 = \square \rightarrow \boxed{R}$

Scratch space:

CLUE 3
Multiplication facts (1-12)

The redstone power grid was laid out in equal rows across the main server hub floor.

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

V														
108	88	28	28	40	88	64	144	28	12	11	144	80	21	22

49	1	144	144	12	80	144	88	30	56	49	21	88	30	21	64

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

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

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

$11 \times 1 = \square \rightarrow \text{D}$

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

$6 \times 5 = \square \rightarrow \text{S}$

$7 \times 7 = \square \rightarrow \text{P}$

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

$4 \times 3 = \square \rightarrow \text{E}$

$12 \times 12 = \square \rightarrow \text{F}$

$10 \times 4 = \square \rightarrow \text{A}$

$7 \times 4 = \square \rightarrow \text{L}$

$8 \times 11 = \square \rightarrow \text{I}$

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

$10 \times 8 = \square \rightarrow \text{R}$

Scratch space:

Fractions of a number

A fraction of the enchanted pearls stored in the ender chest were salvaged from the grieved zone.

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 18 boxes, and the bottom row contains 12 boxes. Some boxes are shaded orange and contain the letter 'T', while others are white and empty. Below each box is a number.

Top Row (18 boxes):

- Box 1 (shaded orange, 'T'): 10
- Box 2 (white): 6
- Box 3 (white): 14
- Box 4 (white): 13
- Box 5 (white): 12
- Box 6 (white): 14
- Box 7 (white): 26
- Box 8 (white): 14
- Box 9 (white): 6
- Box 10 (white): 34
- Box 11 (white): 28
- Box 12 (white): 34
- Box 13 (white): 19
- Box 14 (shaded orange, 'T'): 14
- Box 15 (white): 10
- Box 16 (white): 6
- Box 17 (white): 33
- Box 18 (shaded orange, 'T'): 13

Bottom Row (12 boxes):

- Box 1 (shaded orange, 'T'): 10
- Box 2 (white): 3
- Box 3 (white): 2
- Box 4 (white): 19
- Box 5 (white): 13
- Box 6 (white): 6
- Box 7 (white): 34
- Box 8 (white): 3
- Box 9 (white): 28
- Box 10 (white): 13

$$\frac{2}{5} \text{ of } 25 = \boxed{} \rightarrow \boxed{\text{T}}$$

$2/4$ of 6 = $\rightarrow$ **R**

$6/8$ of $44 = \boxed{} \rightarrow \mathbf{Y}$

$2/4$ of 52 = $\rightarrow$ **N**

$4/6$ of $3 = \boxed{} \rightarrow \boxed{I}$

$\frac{2}{3}$ of 51 = $\rightarrow$ **A**

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

$$3/6 \text{ of } 28 = \boxed{} \rightarrow \boxed{\text{E}}$$

$1/6 \text{ of } 72 = \boxed{} \rightarrow \boxed{\text{C}}$

$\frac{1}{3}$ of 84 = $\rightarrow$ **D**

4/10 of 15 = $\rightarrow$

$1/4 \text{ of } 76 = \boxed{} \rightarrow \boxed{}$

Scratch space:

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

The admin needed to divide the remaining obsidian blocks equally among all server defense towers.

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:

$14 \div 7 = \boxed{}$

$24 \div 4 = \boxed{}$

$28 \div 4 = \boxed{}$

$18 \div 6 = \boxed{}$

$77 \div 7 = \boxed{}$

$44 \div 11 = \boxed{}$

$132 \div 11 = \boxed{}$

$8 \div 8 = \boxed{}$

$5 \div 1 = \boxed{}$

$56 \div 7 = \boxed{}$

$45 \div 5 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain threw a trident, then bounced a slime ball.
2. The villain shot a redstone bow, then tossed an ender pearl.
3. The villain threw a trident, then placed a TNT block.
4. The villain mined with a netherite pick, then ate a golden apple.
5. The villain swung a diamond sword, then splattered glow ink.
6. The villain shot a redstone bow, then ate a golden apple.
7. The villain threw a trident, then ate a golden apple.
8. The villain mined with a netherite pick, then placed a TNT block.
9. The villain swung a golden axe, then tossed an ender pearl.
10. The villain mined with a netherite pick, then bounced a slime ball.
11. The villain swung a diamond sword, then placed a TNT block.
12. The villain mined with a netherite pick, then splattered glow ink.

Answer Key

The Great Block Server Heist

Culprit: AlexBuilds

Netherite Pick · Slime Ball · Left Handed · Amethyst Trim · Pufferfish Poison

Trail: Start 21 → Clue 1 17 → Clue 2 9 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE VILLAIN DID NOT USE GLOW INK"

$1120 + 1531 = 2651$ (T) · $1765 + 1114 = 2879$ (D) · $1750 + 837 = 2587$ (E) · $845 + 1438 = 2283$ (A) · $3096 + 6490 = 9586$ (K) · $6552 + 3028 = 9580$ (G) · $4237 + 4911 = 9148$ (S) · $2084 + 1756 = 3840$ (O) · $1808 + 3708 = 5516$ (W) · $3217 + 4832 = 8049$ (U) · $2473 + 2078 = 4551$ (L) · $3666 + 2072 = 5738$ (H) · $4144 + 3425 = 7569$ (I) · $3636 + 2680 = 6316$ (V) · $2619 + 3799 = 6418$ (N)

Clue 2 (Subtraction): "WITNESS SAW A LEFT HANDED CRAFTER"

$8442 - 2576 = 5866$ (W) · $2553 - 1088 = 1465$ (E) · $6852 - 1992 = 4860$ (L) · $4340 - 161 = 4179$ (F) · $4661 - 581 = 4080$ (T) · $8763 - 432 = 8331$ (A) · $6749 - 4368 = 2381$ (H) · $6448 - 367 = 6081$ (C) · $3915 - 2861 = 1054$ (S) · $12450 - 3964 = 8486$ (N) · $5436 - 3331 = 2105$ (D) · $8813 - 4385 = 4428$ (I) · $4765 - 2157 = 2608$ (R)

Clue 3 (Multiplication facts (1-12)): "VILLAIN FLED FROM PUFFERFISH POISON"

$9 \times 12 = 108$ (V) · $8 \times 8 = 64$ (N) · $2 \times 11 = 22$ (M) · $11 \times 1 = 11$ (D) · $3 \times 7 = 21$ (O) · $6 \times 5 = 30$ (S) · $7 \times 7 = 49$ (P) · $1 \times 1 = 1$ (U) · $4 \times 3 = 12$ (E) · $12 \times 12 = 144$ (F) · $10 \times 4 = 40$ (A) · $7 \times 4 = 28$ (L) · $8 \times 11 = 88$ (I) · $7 \times 8 = 56$ (H) · $10 \times 8 = 80$ (R)

Clue 4 (Fractions of a number): "THE SCENE HAD AMETHYST TRIM SHARDS"

$2/5$ of 25 = 10 (T) · $2/4$ of 6 = 3 (R) · $6/8$ of 44 = 33 (Y) · $2/4$ of 52 = 26 (N) · $4/6$ of 3 = 2 (I) · $2/3$ of 51 = 34 (A) · $2/4$ of 26 = 13 (S) · $3/6$ of 28 = 14 (E) · $1/6$ of 72 = 12 (C) · $1/3$ of 84 = 28 (D) · $4/10$ of 15 = 6 (H) · $1/4$ of 76 = 19 (M)

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

$14 \div 7 = 2$ · $24 \div 4 = 6$ · $28 \div 4 = 7$ · $18 \div 6 = 3$ · $77 \div 7 = 11$ · $44 \div 11 = 4$ · $132 \div 11 = 12$ · $8 \div 8 = 1$ · $5 \div 1 = 5$ · $56 \div 7 = 8$ · $45 \div 5 = 9$