



The Spawn Point Sabotage

Grade 2 math · Place value, Addition, Subtraction, Skip counting, Missing addends · Reading level grades 5-6

Detective: _____ Date: _____

A legendary diamond castle at the spawn point of the Overworld Server has been grieved! The Server Admin needs your help to track down the Griefing Phantom before they ruin the entire server build.

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 Phantom 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	ACTIVE POTION	COMBAT STANCE	EQUIPPED HELMET	DEFENSIVE ITEM
Skeppy	tnt launcher	night vision	holding shield in left hand	shining gold helmet	bucket of milk
Tubbo	flint and steel	night vision	holding shield in right hand	shining gold helmet	splash water bottle
DanTDM	tnt launcher	water breathing	holding shield in right hand	shining gold helmet	lingering potion of harming
LDShadowLady	enchanted bow	fire resistance	holding shield in right hand	enchanted diamond helmet	bucket of milk
Jeb	netherite sword	speed boost	holding shield in left hand	shining gold helmet	lingering potion of harming
BadBoyHalo	diamond pickaxe	fire resistance	holding shield in left hand	shining gold helmet	bucket of milk
Hannahxxrose	flint and steel	speed boost	holding shield in right hand	shining gold helmet	bucket of milk
Ranboo	tnt launcher	fire resistance	holding shield in left hand	shining gold helmet	lingering potion of harming
CaptainPuffy	diamond pickaxe	water breathing	holding shield in left hand	shining gold helmet	bucket of milk
Antfrost	diamond pickaxe	night vision	holding shield in right hand	enchanted diamond helmet	splash water bottle
GeorgeNotFound	netherite sword	invisibility	holding shield in left hand	shining gold helmet	bucket of milk
Sapnap	diamond pickaxe	speed boost	holding shield in left hand	dark netherite helmet	splash water bottle
TommyInnit	enchanted bow	speed boost	holding shield in left hand	dark netherite helmet	bucket of milk
Steve	tnt launcher	night vision	holding shield in right hand	enchanted diamond helmet	lingering potion of harming
Grian	tnt launcher	invisibility	holding shield in left hand	dark netherite helmet	bucket of milk
Technoblade	netherite sword	water breathing	holding shield in left hand	dark netherite helmet	splash water bottle
MumboJumbo	tnt launcher	fire resistance	holding shield in left hand	dark netherite helmet	lingering potion of harming
CaptainSparklez	tnt launcher	night vision	holding shield in right hand	shining gold helmet	splash water bottle
Dream	enchanted bow	water breathing	holding shield in left hand	dark netherite helmet	lingering potion of harming
Alex	enchanted bow	water breathing	holding shield in right hand	shining gold helmet	splash water bottle
Philza	diamond pickaxe	night vision	holding shield in left hand	shining gold helmet	bucket of milk

CLUE 1 Place value

To read the coordinates on the broken locator map, we need to examine the digit in the hundreds place.

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

T																T	
55	68	50	84	21	98	98	38	21	85	29	40	50	94	85	40	55	
						T						T					
68	38	84	50	77	38	55	50	59	92	59	50	38	55	68	21	85	26

What number has 5 tens and 5 ones? → **T**

What number has 3 tens and 8 ones? → **A**

What number has 2 tens and 1 one? → **I**

What number has 9 tens and 8 ones? → **L**

What number has 7 tens and 7 ones? → **W**

What number has 4 tens and 0 ones? → **O**

What number has 9 tens and 2 ones? → **B**

What number has 2 tens and 6 ones? → **G**

What number has 5 tens and 9 ones? → **R**

What number has 8 tens and 4 ones? → **V**

What number has 8 tens and 5 ones? → **N**

What number has 9 tens and 4 ones? → **S**

What number has 2 tens and 9 ones? → **D**

What number has 5 tens and 0 ones? → **E**

What number has 6 tens and 8 ones? → **H**

Scratch space:

CLUE 2 **Addition**

A witness near the village saw the suspect hauling heavy obsidian blocks. Adding the stacks of blocks together gives us the weight of their stolen loot.

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

Diagram illustrating the arrangement of boxes and their associated numbers and letters:

- Row 1: 65 (L), 77, 85, 27, 97, 57, 86, 78, 77, 78, 93, 97, 67, 77, 65 (L), 78
- Row 2: 32, 57, 55, 69, 93, 53, 77, 55, 77, 65 (L), 77, 85, 27, 81, 86, 27, 97, 77
- Row 3: 53, 57, 65 (L), 65 (L)

$29 + 36 = \boxed{} \rightarrow \boxed{\text{L}}$

$19 + 38 = \square \rightarrow \boxed{\text{A}}$

$$36 + 17 = \boxed{} \rightarrow \boxed{\mathbf{W}}$$

$16 + 39 = \boxed{} \rightarrow \boxed{\mathbf{R}}$

$33 + 36 = \boxed{} \rightarrow \boxed{\text{K}}$

$9 + 18 = \boxed{} \rightarrow \boxed{\mathbf{T}}$

$$54 + 32 = \boxed{} \rightarrow \boxed{\text{N}}$$

$27 + 40 = \boxed{} \rightarrow \boxed{\text{I}}$

$$34 + 47 = \boxed{} \rightarrow \boxed{0}$$

$48 + 29 = \boxed{} \rightarrow \boxed{\text{E}}$

$$49 + 44 = \boxed{} \rightarrow \boxed{\text{S}}$$

$65 + 32 = \boxed{} \rightarrow \boxed{\text{H}}$

$$44 + 41 = \boxed{} \rightarrow \boxed{\text{F}}$$

$16 + 16 = \boxed{} \rightarrow \boxed{\text{M}}$

$38 + 40 = \boxed{} \rightarrow \boxed{\text{D}}$

Scratch space:

CLUE 3 Subtraction

The server blacksmith noticed several iron ingots were missing from the community chest. Subtracting the remaining ingots from the start total reveals the thief's path.

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

M															
63	13	71	60	84	36	38	60	85	67	17	53	13	71	71	
73	85	36	67	78	59	71	13	86	85	67	74	85	13	78	
59	67	67	59	38	60										

$97 - 34 = \square \rightarrow$ M	$89 - 36 = \square \rightarrow$ W	$104 - 30 = \square \rightarrow$ H
$83 - 23 = \square \rightarrow$ K	$103 - 19 = \square \rightarrow$ B	$74 - 1 = \square \rightarrow$ N
$50 - 33 = \square \rightarrow$ S	$72 - 5 = \square \rightarrow$ T	$125 - 39 = \square \rightarrow$ Z
$120 - 35 = \square \rightarrow$ E	$50 - 14 = \square \rightarrow$ U	$73 - 2 = \square \rightarrow$ L
$52 - 14 = \square \rightarrow$ C	$32 - 19 = \square \rightarrow$ I	$80 - 2 = \square \rightarrow$ R
$87 - 28 = \square \rightarrow$ A		

Scratch space:

CLUE 4 Skip counting

The villain fled down a dark mine shaft, leaving redstone torches placed in a regular pattern. Skip counting along the path reveals their hidden trail.

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

W																			
55	25	140	130	27	36	45	50	130	40	45	14	100	8	18	80	30	36	50	14
130	36	21	70	25	80	130	8	21	18	40	140	8	18	24	25				

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, __, 60, 65 → **W**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, __, 26, 28 → **M**

Skip-count by 10s. Fill the blank: 10, 20, __, 40, 50 → **I**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, __, 30, 35 → **E**

Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 → **R**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 → **D**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, __, 24, 27 → **T**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, __, 45, 50 → **L**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, __, 30, 33 → **U**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, __, 20, 22 → **A**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, __, 90, 100 → **P**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, __, 16, 18 → **S**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, __, 110, 120 → **C**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, __, 80, 90 → **H**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, __, 55, 60 → **G**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 → **O**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, __, 39, 42 → **N**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, __, 150, 160 → **F**

Scratch space:

CLUE 5**Missing addends - the last clue**

The nether portal is damaged, and we need a specific number of obsidian blocks to repair it. Finding the missing addend of blocks pointing to the portal will reveal the phantom's hideout.

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:

$9 + \underline{\quad} = 11$

$5 + \underline{\quad} = 6$

$10 + \underline{\quad} = 18$

$6 + \underline{\quad} = 11$

$9 + \underline{\quad} = 21$

$5 + \underline{\quad} = 11$

$9 + \underline{\quad} = 16$

$10 + \underline{\quad} = 19$

$2 + \underline{\quad} = 12$

$3 + \underline{\quad} = 14$

$5 + \underline{\quad} = 9$

Step 2 - cross out the sentence with each answer:

1. The villain places a tnt block, then vanishes into the dark with night vision.
2. The villain digs through a cobblestone wall, then vanishes into the dark with night vision.
3. The villain swings a heavy netherite sword, then fades completely out of sight using invisibility.
4. The villain shoots an enchanted bow, then dives deep under a lake using water breathing.
5. The villain sparks a block with flint and steel, then dives deep under a lake using water breathing.
6. The villain places a tnt block, then safely jumps into lava using fire resistance.
7. The villain places a tnt block, then runs off with a speed boost.
8. The villain digs through a cobblestone wall, then safely jumps into lava using fire resistance.
9. The villain sparks a block with flint and steel, then safely jumps into lava using fire resistance.
10. The villain sparks a block with flint and steel, then vanishes into the dark with night vision.
11. The villain digs through a cobblestone wall, then dives deep under a lake using water breathing.
12. The villain swings a heavy netherite sword, then vanishes into the dark with night vision.

Answer Key

The Spawn Point Sabotage

Culprit: GeorgeNotFound

netherite sword · invisibility · holding shield in left hand · shining gold helmet · bucket of milk

Trail: Start 21 → Clue 1 16 → Clue 2 10 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE VILLAIN DOES NOT HAVE WATER BREATHING"

What number has 5 tens and 5 ones? = 55 (T) · What number has 3 tens and 8 ones? = 38 (A) · What number has 2 tens and 1 one? = 21 (I) · What number has 9 tens and 8 ones? = 98 (L) · What number has 7 tens and 7 ones? = 77 (W) · What number has 4 tens and 0 ones? = 40 (O) · What number has 9 tens and 2 ones? = 92 (B) · What number has 2 tens and 6 ones? = 26 (G) · What number has 5 tens and 9 ones? = 59 (R) · What number has 8 tens and 4 ones? = 84 (V) · What number has 8 tens and 5 ones? = 85 (N) · What number has 9 tens and 4 ones? = 94 (S) · What number has 2 tens and 9 ones? = 29 (D) · What number has 5 tens and 0 ones? = 50 (E) · What number has 6 tens and 8 ones? = 68 (H)

Clue 2 (Addition): "LEFT HANDED SHIELD MARKS WERE LEFT ON THE WALL"

$29 + 36 = 65$ (L) · $19 + 38 = 57$ (A) · $36 + 17 = 53$ (W) · $16 + 39 = 55$ (R) · $33 + 36 = 69$ (K) · $9 + 18 = 27$ (T) · $54 + 32 = 86$ (N) · $27 + 40 = 67$ (I) · $34 + 47 = 81$ (O) · $48 + 29 = 77$ (E) · $49 + 44 = 93$ (S) · $65 + 32 = 97$ (H) · $44 + 41 = 85$ (F) · $16 + 16 = 32$ (M) · $38 + 40 = 78$ (D)

Clue 3 (Subtraction): "MILK BUCKETS WILL NEUTRALIZE THEIR ATTACK"

$97 - 34 = 63$ (M) · $89 - 36 = 53$ (W) · $104 - 30 = 74$ (H) · $83 - 23 = 60$ (K) · $103 - 19 = 84$ (B) · $74 - 1 = 73$ (N) · $50 - 33 = 17$ (S) · $72 - 5 = 67$ (T) · $125 - 39 = 86$ (Z) · $120 - 35 = 85$ (E) · $50 - 14 = 36$ (U) · $73 - 2 = 71$ (L) · $52 - 14 = 38$ (C) · $32 - 19 = 13$ (I) · $80 - 2 = 78$ (R) · $87 - 28 = 59$ (A)

Clue 4 (Skip counting): "WE FOUND GOLD SCRAPINGS ON THE PORTAL FRAME"

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, __, 60, 65 = 55 (W) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, __, 26, 28 = 24 (M) · Skip-count by 10s. Fill the blank: 10, 20, __, 40, 50 = 30 (I) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, __, 30, 35 = 25 (E) · Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 = 8 (R) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 = 45 (D) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, __, 24, 27 = 21 (T) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, __, 45, 50 = 40 (L) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, __, 30, 33 = 27 (U) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, __, 20, 22 = 18 (A) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, __, 90, 100 = 80 (P) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, __, 16, 18 = 14 (S) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, __, 110, 120 = 100 (C) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, __, 80, 90 = 70 (H) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, __, 55, 60 = 50 (G) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 = 130 (O) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, __, 39, 42 = 36 (N) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, __, 150, 160 = 140 (F)

Clue 5 (Missing addends): surviving statement is box 3 → GeorgeNotFound

$9 + \underline{\quad} = 11 = 2$ · $5 + \underline{\quad} = 6 = 1$ · $10 + \underline{\quad} = 18 = 8$ · $6 + \underline{\quad} = 11 = 5$ · $9 + \underline{\quad} = 21 = 12$ · $5 + \underline{\quad} = 11 = 6$ · $9 + \underline{\quad} = 16 = 7$ · $10 + \underline{\quad} = 19 = 9$ · $2 + \underline{\quad} = 12 = 10$ · $3 + \underline{\quad} = 14 = 11$ · $5 + \underline{\quad} = 9 = 4$