



The Redstone Heist

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

Detective: _____ **Date:** _____

The server's central lobby has been grieved! A mysterious player breached the spawn protection, leaving a trail of bedrock and wild redstone contraptions. As the Lead Moderator, you must follow the clues left in the block data to identify the grieving thief before the 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 Grieving Thief 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	POCKET ITEM	COMBAT STANCE	HEAD ACCESSORY	EFFECTIVE COUNTER
TangoTek	Diamond Sword	Water Bucket	Left Handed Swing	Orange Beanie	Obsidian Cage
EthosLab	Redstone Wrench	Glowstone Dust	Left Handed Swing	Green Slime Hat	Splash Potion
Cubfan	Ender Pearls	Slime Blocks	Right Handed Swing	Blue Wizard Hood	Tame Ocelot
GoodTimesWithScar	Diamond Sword	Firework Rockets	Left Handed Swing	Orange Beanie	Tame Ocelot
FalseSymmetry	Redstone Wrench	Water Bucket	Right Handed Swing	Green Slime Hat	Tame Ocelot
MumboJumbo	Ender Pearls	Magma Blocks	Right Handed Swing	Orange Beanie	Obsidian Cage
Docm77	Diamond Sword	Slime Blocks	Right Handed Swing	Blue Wizard Hood	Obsidian Cage
SmallishBeans	Netherite Pickaxe	Firework Rockets	Right Handed Swing	Orange Beanie	Obsidian Cage
Grian	Diamond Sword	Slime Blocks	Left Handed Swing	Green Slime Hat	Tame Ocelot
VintageBeef	Netherite Pickaxe	Firework Rockets	Right Handed Swing	Orange Beanie	Tame Ocelot
Iskall	Redstone Wrench	Firework Rockets	Left Handed Swing	Green Slime Hat	Obsidian Cage
Stampy	Elytra Wings	Magma Blocks	Right Handed Swing	Green Slime Hat	Tame Ocelot
LDShadowLady	Elytra Wings	Water Bucket	Right Handed Swing	Green Slime Hat	Tame Ocelot
CaptainSparklez	Netherite Pickaxe	Magma Blocks	Left Handed Swing	Green Slime Hat	Obsidian Cage
GeminiTay	Elytra Wings	Slime Blocks	Right Handed Swing	Blue Wizard Hood	Obsidian Cage
Welsknight	Diamond Sword	Glowstone Dust	Right Handed Swing	Orange Beanie	Splash Potion
Keralis	Diamond Sword	Firework Rockets	Right Handed Swing	Orange Beanie	Obsidian Cage
ZombieCleo	Elytra Wings	Slime Blocks	Right Handed Swing	Green Slime Hat	Tame Ocelot
Rendog	Redstone Wrench	Glowstone Dust	Right Handed Swing	Green Slime Hat	Tame Ocelot
ImpulseSV	Diamond Sword	Slime Blocks	Right Handed Swing	Orange Beanie	Tame Ocelot
DanTDM	Ender Pearls	Glowstone Dust	Right Handed Swing	Green Slime Hat	Splash Potion

CLUE 1 Place value

A shifting coordinate grid flashes on the console. Read the digit places to unlock the first secure block.

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

73 94 46 25 85 32 46 42 46 85 60 21 46 38 71 21 73 40 38 46 20 15 25 20 15 76 53 21 62 77 38

What number has 7 tens and 3 ones? → **T**

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

What number has 6 tens and 0 ones? → **D**

What number has 7 tens and 1 one? → **N**

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

What number has 2 tens and 0 ones? → **M**

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

What number has 2 tens and 5 ones? → **G**

What number has 1 ten and 5 ones? → **A**

What number has 2 tens and 1 one? → **0**

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

What number has 7 tens and 6 ones? → **B**

What number has 4 tens and 6 ones? → **E**

What number has 4 tens and 2 ones? → **F**

What number has 5 tens and 3 ones? → **L**

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

What number has 3 tens and 2 ones? →

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

Scratch space:

CLUE 2 Addition

An iron golem drops several iron ingots after defending the village. Count and add them to find the path.

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

S 57	82	65	52	59	59	38	23	38	73	35	23	38	52	36	S 57	S 57	64	65	82
52	96	73	64	51	64	38	91	59	35	59	S 57	82	96	91	73				

$28 + 29 = \square \rightarrow \text{S}$	$55 + 27 = \square \rightarrow \text{W}$	$22 + 13 = \square \rightarrow \text{E}$
$38 + 58 = \square \rightarrow \text{I}$	$18 + 33 = \square \rightarrow \text{T}$	$27 + 25 = \square \rightarrow \text{R}$
$38 + 21 = \square \rightarrow \text{D}$	$40 + 33 = \square \rightarrow \text{G}$	$6 + 17 = \square \rightarrow \text{M}$
$36 + 29 = \square \rightarrow \text{O}$	$15 + 21 = \square \rightarrow \text{K}$	$23 + 15 = \square \rightarrow \text{A}$
$28 + 36 = \square \rightarrow \text{H}$	$53 + 38 = \square \rightarrow \text{N}$	

Scratch space:

CLUE 3

Subtraction

A nearby creeper explosion damaged a stone brick wall. Subtract the destroyed bricks to measure the blast radius.

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

T																			
62	80	88	60	84	60	66	88	67	62	68	55	88	88	60	68	32	81	38	
63	T																		
63	62	63	38	88	81	67	88	55	81	62									

$69 - 7 = \square \rightarrow \boxed{\text{T}}$

$115 - 31 = \square \rightarrow \boxed{\text{U}}$

$40 - 2 = \square \rightarrow \boxed{\text{M}}$

$103 - 23 = \square \rightarrow \boxed{\text{H}}$

$93 - 33 = \square \rightarrow \boxed{\text{S}}$

$98 - 31 = \square \rightarrow \boxed{\text{C}}$

$96 - 30 = \square \rightarrow \boxed{\text{P}}$

$93 - 12 = \square \rightarrow \boxed{\text{O}}$

$84 - 16 = \square \rightarrow \boxed{\text{F}}$

$88 - 33 = \square \rightarrow \boxed{\text{L}}$

$49 - 17 = \square \rightarrow \boxed{\text{R}}$

$123 - 35 = \square \rightarrow \boxed{\text{E}}$

$85 - 22 = \square \rightarrow \boxed{\text{A}}$

Scratch space:

CLUE 4 Skip counting

Rows of automated wheat farms are harvesting in bundles. Skip count the hay bales to track where the thief fled.

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

W														
65	45	33	22	130	26	28	90	22	22	33	27	22	25	140
90	27	45	45	26	50	12	6	25	45	60	140	18		

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, __, 70, 75 → **W**

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

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

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

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

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

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

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, __, 28, 30 → **N**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, __, 65, 70 → **H**

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

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, __, 36, 39 → **F**

Skip-count by 2s. Fill the blank: 2, 4, __, 8, 10 → **I**

Skip-count by 3s. Fill the blank: 3, 6, 9, __, 15, 18 → **L**

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

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, __, 24, 26 → **O**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, __, 30, 32 → **D**

Scratch space:

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

A ruined nether portal stands half built. Find the missing amount of obsidian blocks needed to light the gateway.

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:

$2 + \underline{\quad} = 5$

$4 + \underline{\quad} = 5$

$2 + \underline{\quad} = 9$

$10 + \underline{\quad} = 20$

$3 + \underline{\quad} = 15$

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

$7 + \underline{\quad} = 18$

$3 + \underline{\quad} = 5$

$10 + \underline{\quad} = 15$

$4 + \underline{\quad} = 10$

$8 + \underline{\quad} = 16$

Step 2 - cross out the sentence with each answer:

1. The villain soars over the build height with elytra wings, then then bounces away on slime blocks.
2. The villain teleports instantly using ender pearls, then then blinds the lobby guards with glowstone dust.
3. The villain rewires the spawn gates with a redstone wrench, then then puts out any defensive fires with a water bucket.
4. The villain rewires the spawn gates with a redstone wrench, then then blinds the lobby guards with glowstone dust.
5. The villain blasts a tunnel with a netherite pickaxe, then then propels upward using firework rockets.
6. The villain soars over the build height with elytra wings, then then blinds the lobby guards with glowstone dust.
7. The villain soars over the build height with elytra wings, then then puts out any defensive fires with a water bucket.
8. The villain blasts a tunnel with a netherite pickaxe, then then leaves a hot path of magma blocks.
9. The villain teleports instantly using ender pearls, then then propels upward using firework rockets.
10. The villain blasts a tunnel with a netherite pickaxe, then then puts out any defensive fires with a water bucket.
11. The villain rewires the spawn gates with a redstone wrench, then then bounces away on slime blocks.
12. The villain teleports instantly using ender pearls, then then puts out any defensive fires with a water bucket.

Answer Key

The Redstone Heist

Culprit: Rendog

Redstone Wrench · Glowstone Dust · Right Handed Swing · Green Slime Hat · Tame Ocelot

Trail: Start 21 → Clue 1 18 → Clue 2 13 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE GRIEFER DOES NOT USE MAGMA BLOCKS"

What number has 7 tens and 3 ones? = 73 (T) · What number has 3 tens and 8 ones? = 38 (S) · What number has 6 tens and 0 ones? = 60 (D) · What number has 7 tens and 1 one? = 71 (N) · What number has 9 tens and 4 ones? = 94 (H) · What number has 2 tens and 0 ones? = 20 (M) · What number has 8 tens and 5 ones? = 85 (R) · What number has 2 tens and 5 ones? = 25 (G) · What number has 1 ten and 5 ones? = 15 (A) · What number has 2 tens and 1 one? = 21 (O) · What number has 6 tens and 2 ones? = 62 (C) · What number has 7 tens and 6 ones? = 76 (B) · What number has 4 tens and 6 ones? = 46 (E) · What number has 4 tens and 2 ones? = 42 (F) · What number has 5 tens and 3 ones? = 53 (L) · What number has 7 tens and 7 ones? = 77 (K) · What number has 3 tens and 2 ones? = 32 (I) · What number has 4 tens and 0 ones? = 40 (U)

Clue 2 (Addition): "SWORD DAMAGE MARKS SHOW RIGHT HANDED SWING"

$28 + 29 = 57$ (S) · $55 + 27 = 82$ (W) · $22 + 13 = 35$ (E) · $38 + 58 = 96$ (I) · $18 + 33 = 51$ (T) · $27 + 25 = 52$ (R) · $38 + 21 = 59$ (D) · $40 + 33 = 73$ (G) · $6 + 17 = 23$ (M) · $36 + 29 = 65$ (O) · $15 + 21 = 36$ (K) · $23 + 15 = 38$ (A) · $28 + 36 = 64$ (H) · $53 + 38 = 91$ (N)

Clue 3 (Subtraction): "THE SUSPECT FLEES FROM A TAME OCELOT"

$69 - 7 = 62$ (T) · $115 - 31 = 84$ (U) · $40 - 2 = 38$ (M) · $103 - 23 = 80$ (H) · $93 - 33 = 60$ (S) · $98 - 31 = 67$ (C) · $96 - 30 = 66$ (P) · $93 - 12 = 81$ (O) · $84 - 16 = 68$ (F) · $88 - 33 = 55$ (L) · $49 - 17 = 32$ (R) · $123 - 35 = 88$ (E) · $85 - 22 = 63$ (A)

Clue 4 (Skip counting): "WE FOUND GOO FROM A GREEN SLIME HAT"

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, __, 70, 75 = 65 (W) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, __, 20, 22 = 18 (T) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, __, 55, 60 = 50 (S) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, __, 30, 35 = 25 (M) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, __, 100, 110 = 90 (G) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, __, 150, 160 = 140 (A) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 = 130 (U) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, __, 28, 30 = 26 (N) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, __, 65, 70 = 60 (H) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, __, 30, 33 = 27 (R) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, __, 36, 39 = 33 (F) · Skip-count by 2s. Fill the blank: 2, 4, __, 8, 10 = 6 (I) · Skip-count by 3s. Fill the blank: 3, 6, 9, __, 15, 18 = 12 (L) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 = 45 (E) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, __, 24, 26 = 22 (O) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, __, 30, 32 = 28 (D)

Clue 5 (Missing addends): surviving statement is box 4 → Rendog

$2 + \underline{\quad} = 5 = 3$ · $4 + \underline{\quad} = 5 = 1$ · $2 + \underline{\quad} = 9 = 7$ · $10 + \underline{\quad} = 20 = 10$ · $3 + \underline{\quad} = 15 = 12$ · $10 + \underline{\quad} = 19 = 9$ · $7 + \underline{\quad} = 18 = 11$ · $3 + \underline{\quad} = 5 = 2$ · $10 + \underline{\quad} = 15 = 5$ · $4 + \underline{\quad} = 10 = 6$ · $8 + \underline{\quad} = 16 = 8$