



The Case of the Ruined Spawn

Grade 2 math · Addition, Place value, Subtraction, Skip counting, Missing addends · Reading level grades 1-2

Detective: _____ Date: _____

Someone broke the giant gold statue at the spawn point of the server! They left a trail of blocky clues. We need to find the Griefing Phantom before they ruin the entire map!

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	MAIN TOOL	PET MOB	MAP HAND	HELMET TYPE	WEAKNESS ITEM
DanTDM	TNT Detonator	Tamed Parrot	Left Hand Map	Gold Helmet	Splash Water Bottle
Sparklez	Golden Axe	Tamed Wolf	Left Hand Map	Gold Helmet	Splash Water Bottle
Gemini	TNT Detonator	Rode a Pig	Right Hand Map	Diamond Helmet	Bucket of Milk
Jimmy	Flint and Steel	Rode a Pig	Left Hand Map	Gold Helmet	Golden Apple
BdubleO	Golden Axe	Tamed Wolf	Right Hand Map	Diamond Helmet	Bucket of Milk
Scar	TNT Detonator	Tamed Parrot	Left Hand Map	Iron Helmet	Splash Water Bottle
Docm	TNT Detonator	Rode a Pig	Left Hand Map	Iron Helmet	Splash Water Bottle
Tubbo	Flint and Steel	Tamed Parrot	Left Hand Map	Iron Helmet	Bucket of Milk
Joel	Diamond Pickaxe	Rode a Pig	Right Hand Map	Diamond Helmet	Bucket of Milk
Tango	TNT Detonator	Tamed Wolf	Right Hand Map	Iron Helmet	Bucket of Milk
Mumbo	Netherite Shovel	Tamed Wolf	Left Hand Map	Gold Helmet	Splash Water Bottle
Lizzie	Netherite Shovel	Rode a Strider	Left Hand Map	Iron Helmet	Splash Water Bottle
Pearlescent	Golden Axe	Rode a Strider	Left Hand Map	Iron Helmet	Bucket of Milk
Grian	Netherite Shovel	Rode a Strider	Left Hand Map	Gold Helmet	Golden Apple
Alex	Diamond Pickaxe	Pet Creeper	Left Hand Map	Iron Helmet	Splash Water Bottle
Notch	Flint and Steel	Tamed Parrot	Left Hand Map	Iron Helmet	Golden Apple
Stampy	Netherite Shovel	Rode a Pig	Left Hand Map	Iron Helmet	Bucket of Milk
BadBoyHalo	Diamond Pickaxe	Rode a Strider	Left Hand Map	Iron Helmet	Splash Water Bottle
Jeb	Diamond Pickaxe	Pet Creeper	Left Hand Map	Gold Helmet	Golden Apple
Skeppy	Flint and Steel	Tamed Parrot	Right Hand Map	Iron Helmet	Bucket of Milk
Steve	Golden Axe	Tamed Parrot	Right Hand Map	Iron Helmet	Splash Water Bottle

CLUE 1 **Addition**

We find two piles of redstone dust. Add them up to open the chest.

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

T															T
87	85	60	72	21	59	60	30	60	21	28	59	28	39	40	87

21	59	28	60	41	84	59	72

$59 + 28 = \square \rightarrow \text{D}$

$17 + 11 = \square \rightarrow \text{H}$

$42 + 17 = \square \rightarrow \text{I}$

$27 + 33 = \square \rightarrow \text{E}$

$32 + 53 = \square \rightarrow \text{H}$

$27 + 13 = \square \rightarrow \text{O}$

$10 + 11 = \square \rightarrow \text{R}$

$32 + 40 = \square \rightarrow \text{G}$

$12 + 27 = \square \rightarrow \text{N}$

$17 + 24 = \square \rightarrow \text{A}$

$14 + 16 = \square \rightarrow \text{F}$

$31 + 53 = \square \rightarrow \text{P}$

Scratch space:

Place value

A wooden sign has a code. Look at the tens and ones to read it.

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

[illegible]

What number has 6 tens and 7 ones?



What number has 6 tens and 2 ones?



What number has 8 tens and 2 ones?

→ **D**

What number has 5 tens and 6 ones?

A diagram illustrating a transformation. On the left is a simple rectangular box. An arrow points from this box to another rectangular box on the right. This second box contains the letter 'L'.

What number has 7 tens and 2 ones?

→ **S**

What number has 9 tens and 4 ones?

What number has 5 tens and 5 ones?

What number has 7 tens and 5 ones?

A diagram illustrating a transition. On the left is a rounded rectangular box. An arrow points from this box to another rounded rectangular box on the right, which contains the letter 'H'.

What number has 2 tens and 9 ones?

A diagram showing a box with a question mark pointing to a box with the letter 'I'.

What number has 3 tens and 4 ones?

A diagram showing a box with an arrow pointing to a box labeled 'E'.

What number has 7 tens and 6 ones?

A diagram consisting of a rectangular box on the left, followed by a right-pointing arrow, and then another rectangular box on the right containing the letter 'A'.

What number has 4 tens and 1 one?

☐ → **F**

What number has 8 tens and 3 ones?

Scratch space:

CLUE 3

Subtraction

We had a big stack of torches but some burned out. Subtract to see what is left.

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

T															
34	74	36	57	56	32	16	32	25	32	57	23	56	71	17	

								T		
75	51	70	32	75	74	25	32	34	36	56

$50 - 16 = \square \rightarrow \boxed{\text{T}}$

$24 - 8 = \square \rightarrow \boxed{\text{N}}$

$103 - 29 = \square \rightarrow \boxed{\text{H}}$

$55 - 38 = \square \rightarrow \boxed{\text{M}}$

$108 - 37 = \square \rightarrow \boxed{\text{O}}$

$86 - 16 = \square \rightarrow \boxed{\text{L}}$

$95 - 38 = \square \rightarrow \boxed{\text{Y}}$

$60 - 37 = \square \rightarrow \boxed{\text{F}}$

$47 - 15 = \square \rightarrow \boxed{\text{A}}$

$64 - 13 = \square \rightarrow \boxed{\text{P}}$

$41 - 5 = \square \rightarrow \boxed{\text{E}}$

$60 - 35 = \square \rightarrow \boxed{\text{W}}$

$76 - 20 = \square \rightarrow \boxed{\text{R}}$

$97 - 22 = \square \rightarrow \boxed{\text{S}}$

Scratch space:

CLUE 4 Skip counting

To cross the deep blue lake we must jump on every second block.

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

W														
130	140	26	39	65	10	27	14	22	140	9	55	22	39	10
26	45	16	6	140	33									

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

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

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

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

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, __, 12, 14 → **N**

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

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

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

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

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, __, 42, 45 → **O**

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

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

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

Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 → **Y**

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

Scratch space:

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

The furnace needs nine pieces of coal but we only have some. How many more do we need

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:

$10 + \underline{\quad} = 17$

$4 + \underline{\quad} = 14$

$6 + \underline{\quad} = 12$

$6 + \underline{\quad} = 8$

$3 + \underline{\quad} = 7$

$10 + \underline{\quad} = 11$

$5 + \underline{\quad} = 16$

$2 + \underline{\quad} = 7$

$7 + \underline{\quad} = 16$

$6 + \underline{\quad} = 18$

$1 + \underline{\quad} = 9$

Step 2 - cross out the sentence with each answer:

1. The villain chopped down the giant oak tree, then fed bones to a wolf.
2. The villain mined a deep tunnel, then fed bones to a wolf.
3. The villain mined a deep tunnel, then walked across the hot lava.
4. The villain blasted a hole in the wall, then crept away with a creeper.
5. The villain dug up the grass path, then saddled up a pig.
6. The villain mined a deep tunnel, then crept away with a creeper.
7. The villain blasted a hole in the wall, then listened to a red parrot.
8. The villain dug up the grass path, then listened to a red parrot.
9. The villain mined a deep tunnel, then saddled up a pig.
10. The villain dug up the grass path, then walked across the hot lava.
11. The villain dug up the grass path, then crept away with a creeper.
12. The villain sparked a tiny fire, then listened to a red parrot.

Answer Key

The Case of the Ruined Spawn

Culprit: BadBoyHalo

Diamond Pickaxe · Rode a Strider · Left Hand Map · Iron Helmet · Splash Water Bottle

Trail: Start 21 → Clue 1 16 → Clue 2 12 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE GRIEFER DID NOT RIDE A PIG"

$59 + 28 = 87$ (T) · $17 + 11 = 28$ (D) · $42 + 17 = 59$ (I) · $27 + 33 = 60$ (E) · $32 + 53 = 85$ (H) · $27 + 13 = 40$ (O) · $10 + 11 = 21$ (R) · $32 + 40 = 72$ (G) · $12 + 27 = 39$ (N) · $17 + 24 = 41$ (A) · $14 + 16 = 30$ (F) · $31 + 53 = 84$ (P)

Clue 2 (Place value): "THE MAP WAS HELD IN THE LEFT HAND"

What number has 6 tens and 7 ones? = 67 (T) · What number has 6 tens and 2 ones? = 62 (N) · What number has 8 tens and 2 ones? = 82 (D) · What number has 5 tens and 6 ones? = 56 (L) · What number has 7 tens and 2 ones? = 72 (S) · What number has 9 tens and 4 ones? = 94 (W) · What number has 5 tens and 5 ones? = 55 (P) · What number has 7 tens and 5 ones? = 75 (H) · What number has 2 tens and 9 ones? = 29 (I) · What number has 3 tens and 4 ones? = 34 (E) · What number has 7 tens and 6 ones? = 76 (A) · What number has 4 tens and 1 one? = 41 (F) · What number has 8 tens and 3 ones? = 83 (M)

Clue 3 (Subtraction): "THEY RAN AWAY FROM SPLASH WATER"

$50 - 16 = 34$ (T) · $24 - 8 = 16$ (N) · $103 - 29 = 74$ (H) · $55 - 38 = 17$ (M) · $108 - 37 = 71$ (O) · $86 - 16 = 70$ (L) · $95 - 38 = 57$ (Y) · $60 - 37 = 23$ (F) · $47 - 15 = 32$ (A) · $64 - 13 = 51$ (P) · $41 - 5 = 36$ (E) · $60 - 35 = 25$ (W) · $76 - 20 = 56$ (R) · $97 - 22 = 75$ (S)

Clue 4 (Skip counting): "WE FOUND GREY IRON FLAKES"

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 = 130 (W) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, __, 16, 18 = 14 (G) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, __, 28, 30 = 26 (F) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, __, 30, 33 = 27 (D) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, __, 12, 14 = 10 (N) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, __, 18, 20 = 16 (A) · Skip-count by 2s. Fill the blank: 2, 4, __, 8, 10 = 6 (K) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, __, 150, 160 = 140 (E) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 = 45 (L) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, __, 42, 45 = 39 (O) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, __, 24, 26 = 22 (R) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, __, 60, 65 = 55 (I) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, __, 36, 39 = 33 (S) · Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 = 9 (Y) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, __, 70, 75 = 65 (U)

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

$10 + \underline{\quad} = 17 = 7$ · $4 + \underline{\quad} = 14 = 10$ · $6 + \underline{\quad} = 12 = 6$ · $6 + \underline{\quad} = 8 = 2$ · $3 + \underline{\quad} = 7 = 4$ · $10 + \underline{\quad} = 11 = 1$ · $5 + \underline{\quad} = 16 = 11$ · $2 + \underline{\quad} = 7 = 5$ · $7 + \underline{\quad} = 16 = 9$ · $6 + \underline{\quad} = 18 = 12$ · $1 + \underline{\quad} = 9 = 8$