



The Spawn Castle Heist

Grade 4 math · Multiplication, Addition, Rounding, Subtraction, Division · Reading level grades 5-6

Detective: _____ Date: _____

The legendary Ender Dragon Egg has been snatched from the pedestal at the center of the Spawn Castle! The server admin logged on to find the item frame shattered and a mysterious trail of blocks leading into the dark forest. We need to identify the rogue player before they log off and escape with our ultimate trophy.

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 griefer is _____

Possible suspects

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

NAME	FAVORITE TOOL	IN-GAME PET	SHIELD PLACEMENT	SKIN HEADWEAR	FEAR
CaptainSparklez	Diamond Pickaxe	Baby Zombie	Right-hand Shield	Slime Hat	Lava Pools
Awesamdude	Golden Apple	Baby Zombie	Right-hand Shield	Creeper Hood	Lava Pools
Mumbo	Diamond Pickaxe	Strider	Right-hand Shield	Slime Hat	Lava Pools
Karl	Diamond Pickaxe	Baby Zombie	Left-hand Shield	Creeper Hood	Water Buckets
Skeppy	Golden Apple	Strider	Left-hand Shield	Feather Cap	Water Buckets
George	Netherite Sword	Ocelot	Left-hand Shield	Creeper Hood	Cats
Quackity	Redstone Repeater	Baby Zombie	Left-hand Shield	Slime Hat	Lava Pools
Tubbo	Golden Apple	Tamed Wolf	Left-hand Shield	Creeper Hood	Lava Pools
Stampy	Golden Apple	Baby Zombie	Right-hand Shield	Feather Cap	Lava Pools
Punz	Diamond Pickaxe	Allay	Right-hand Shield	Slime Hat	Lava Pools
DanTDM	Diamond Pickaxe	Tamed Wolf	Left-hand Shield	Creeper Hood	Water Buckets
BadBoyHalo	Enchanted Bow	Tamed Wolf	Right-hand Shield	Creeper Hood	Water Buckets
Philza	Diamond Pickaxe	Allay	Left-hand Shield	Creeper Hood	Water Buckets
Techno	Enchanted Bow	Baby Zombie	Right-hand Shield	Slime Hat	Water Buckets
Antfrost	Diamond Pickaxe	Tamed Wolf	Left-hand Shield	Creeper Hood	Lava Pools
Steve	Golden Apple	Allay	Left-hand Shield	Creeper Hood	Water Buckets
Dream	Golden Apple	Ocelot	Left-hand Shield	Slime Hat	Lava Pools
Grian	Netherite Sword	Baby Zombie	Right-hand Shield	Slime Hat	Lava Pools
Sapnap	Enchanted Bow	Strider	Left-hand Shield	Creeper Hood	Water Buckets
Purpled	Enchanted Bow	Strider	Right-hand Shield	Slime Hat	Water Buckets
Tommy	Golden Apple	Allay	Left-hand Shield	Slime Hat	Lava Pools

CLUE 1 Multiplication facts (1-12)

The griefer left stacks of blocks behind. We count several chests, each holding exactly nine stacks of diamonds. Let us multiply to find the total.

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

A number line from 0 to 100 with 100 boxes. The first box is labeled 'T' and the last box is labeled 'T'. The numbers 27, 11, 72, 7, 4, 96, 72, 63, 72, 4, 66, 24, 72, 132, 15, 24, and 27 are placed below the boxes.

$3 \times 9 = \square \rightarrow \boxed{\text{T}}$

$$5 \times 5 = \boxed{} \rightarrow \boxed{\mathbf{Z}}$$

$10 \times 9 = \square \rightarrow \boxed{\mathbf{A}}$

$2 \times 11 = \boxed{} \rightarrow \boxed{\mathbf{B}}$

$1 \times 4 = \boxed{} \rightarrow \boxed{\text{R}}$

$9 \times 8 = \boxed{} \rightarrow \boxed{\text{E}}$

$12 \times 8 = \square \rightarrow \left[\begin{array}{l} \text{I} \\ \text{II} \end{array} \right]$

$9 \times 2 = \boxed{} \rightarrow \boxed{\mathbf{M}}$

$$6 \times 11 = \boxed{} \rightarrow \boxed{\text{D}}$$

$5 \times 3 = \boxed{} \rightarrow \boxed{\text{N}}$

$11 \times 9 = \square \rightarrow \boxed{\text{Y}}$

$1 \times 7 = \boxed{} \rightarrow \boxed{\mathbf{G}}$

$$4 \times 6 = \boxed{} \rightarrow \boxed{0}$$

$4 \times 10 = \square \rightarrow \mathbf{W}$

$7 \times 9 = \square \rightarrow \boxed{\text{F}}$

$11 \times 1 = \square \rightarrow \boxed{\text{H}}$

$12 \times 11 = \boxed{} \rightarrow \boxed{9}$

Scratch space:

CLUE 2 Addition

To repair the damaged cobblestone generator, the server admin must combine the broken blocks from the north wall with those from the south wall.

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

T																			
2804	7688	3314	5615	5885	5615	5488	3314	8738	2804	7688	3314	2621	4974	2804	7688	3314			

5615	7688	7075	3314	2621	4974	7075	6019	2804	7688	3314	2621	3314	5047	2804	7688	4301	6019	4974	

1791 + 1013 = → T	2616 + 4459 = → I	1279 + 1342 = → L
2852 + 2122 = → D	1502 + 2799 = → A	2841 + 2206 = → F
3750 + 2269 = → N	4719 + 4019 = → C	1664 + 1650 = → E
1949 + 3936 = → U	2651 + 5037 = → H	3875 + 1740 = → S
1934 + 3554 = → P		

Scratch space:

CLUE 3 Rounding

Our coordinates tracker is glitched by a redstone signal. It only displays the approximate location, so we have to round the decimal coordinates to the nearest whole block.

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

T			T					T												
370	130	30	370	290	70	1700	30	370	900	170	30	9000	430	130	30	7000				
T								T								T				
370	130	30	230	20	290	430	430	290	370	30	70	2900	90	300	2000	30	370	20		

Round 371 to the nearest ten → **T**

Round 170 to the nearest ten → **L**

Round 304 to the nearest hundred → **C**

Round 1,685 to the nearest hundred → **G**

Round 227 to the nearest ten → **Y**

Round 9,471 to the nearest thousand → **D**

Round 27 to the nearest ten → **E**

Round 2,875 to the nearest hundred → **B**

Round 20 to the nearest ten → **S**

Round 427 to the nearest ten → **W**

Round 126 to the nearest ten → **H**

Round 287 to the nearest ten → **A**

Round 6,575 to the nearest thousand → **N**

Round 2,376 to the nearest thousand → **K**

Round 69 to the nearest ten → **R**

Round 93 to the nearest ten → **U**

Round 925 to the nearest hundred → **F**

Scratch space:

CLUE 4

Subtraction

The griever depleted the durability of our enchanted diamond armor. We need to calculate how much protection remains after subtracting the damage points.

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

W													
8110	2148	3869	5967	5477	2706	5637	2862	8964	3003	2148	2148	2706	
8803	3003	2148	2148	8981	2148	3003	2278	5967	5967	5637	2051	2148	3869
6645	2148	2278	8703	2706	5637								

$12181 - 4071 = \square \rightarrow \boxed{\text{W}}$

$9708 - 4840 = \square \rightarrow \boxed{\text{T}}$

$5679 - 3401 = \square \rightarrow \boxed{\text{H}}$

$6195 - 228 = \square \rightarrow \boxed{\text{O}}$

$9330 - 627 = \square \rightarrow \boxed{\text{I}}$

$10834 - 1870 = \square \rightarrow \boxed{\text{G}}$

$6645 - 4594 = \square \rightarrow \boxed{\text{L}}$

$11793 - 2990 = \square \rightarrow \boxed{\text{C}}$

$4736 - 1733 = \square \rightarrow \boxed{\text{R}}$

$3619 - 1471 = \square \rightarrow \boxed{\text{E}}$

$10494 - 1513 = \square \rightarrow \boxed{\text{P}}$

$5804 - 3098 = \square \rightarrow \boxed{\text{N}}$

$9769 - 3124 = \square \rightarrow \boxed{\text{B}}$

$3116 - 254 = \square \rightarrow \boxed{\text{A}}$

$4731 - 862 = \square \rightarrow \boxed{\text{F}}$

$9205 - 3728 = \square \rightarrow \boxed{\text{U}}$

$7849 - 2212 = \square \rightarrow \boxed{\text{D}}$

Scratch space:

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

We salvaged a chest of gold ingots left behind. If we divide the loot evenly among our online party members, we can trace where the odd leftovers went.

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:

$84 \div 7 = \boxed{}$

$50 \div 10 = \boxed{}$

$44 \div 4 = \boxed{}$

$44 \div 11 = \boxed{}$

$27 \div 3 = \boxed{}$

$6 \div 6 = \boxed{}$

$40 \div 5 = \boxed{}$

$10 \div 1 = \boxed{}$

$24 \div 4 = \boxed{}$

$8 \div 4 = \boxed{}$

$49 \div 7 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain disabled the hidden redstone traps, then fled on a fast skeleton horse.
2. The villain blew up the stone bridge with TNT, then fled on a fast skeleton horse.
3. The villain bridged across the deep lava moat, then escaped into a purple Nether portal.
4. The villain bridged across the deep lava moat, then hit the ground running with swiftess boots.
5. The villain bridged across the deep lava moat, then glided off using an elytra.
6. The villain blew up the stone bridge with TNT, then hit the ground running with swiftess boots.
7. The villain mined through the obsidian wall, then fled on a fast skeleton horse.
8. The villain bridged across the deep lava moat, then teleported away using an ender pearl.
9. The villain mined through the obsidian wall, then glided off using an elytra.
10. The villain blew up the stone bridge with TNT, then escaped into a purple Nether portal.
11. The villain disabled the hidden redstone traps, then hit the ground running with swiftess boots.
12. The villain tunnelled directly under the castle spawn, then glided off using an elytra.

Answer Key

The Spawn Castle Heist

Culprit: DanTDM

Diamond Pickaxe · Tamed Wolf · Left-hand Shield · Creeper Hood · Water Buckets

Trail: Start 21 → Clue 1 14 → Clue 2 10 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE GRIEFER DOES NOT OWN A BABY ZOMBIE"

$3 \times 9 = 27$ (T) · $5 \times 5 = 25$ (Z) · $10 \times 9 = 90$ (A) · $2 \times 11 = 22$ (B) · $1 \times 4 = 4$ (R) · $9 \times 8 = 72$ (E) · $12 \times 8 = 96$ (I) · $9 \times 2 = 18$ (M) · $6 \times 11 = 66$ (D) · $5 \times 3 = 15$ (N) · $11 \times 9 = 99$ (Y) · $1 \times 7 = 7$ (G) · $4 \times 6 = 24$ (O) · $4 \times 10 = 40$ (W) · $7 \times 9 = 63$ (F) · $11 \times 1 = 11$ (H) · $12 \times 11 = 132$ (S)

Clue 2 (Addition): "THE SUSPECT HELD THE SHIELD IN THE LEFT HAND"

$1791 + 1013 = 2804$ (T) · $2616 + 4459 = 7075$ (I) · $1279 + 1342 = 2621$ (L) · $2852 + 2122 = 4974$ (D) · $1502 + 2799 = 4301$ (A) · $2841 + 2206 = 5047$ (F) · $3750 + 2269 = 6019$ (N) · $4719 + 4019 = 8738$ (C) · $1664 + 1650 = 3314$ (E) · $1949 + 3936 = 5885$ (U) · $2651 + 5037 = 7688$ (H) · $3875 + 1740 = 5615$ (S) · $1934 + 3554 = 5488$ (P)

Clue 3 (Rounding): "THE TARGET FLED WHEN THEY SAW WATER BUCKETS"

Round 371 to the nearest ten = 370 (T) · Round 170 to the nearest ten = 170 (L) · Round 304 to the nearest hundred = 300 (C) · Round 1,685 to the nearest hundred = 1700 (G) · Round 227 to the nearest ten = 230 (Y) · Round 9,471 to the nearest thousand = 9000 (D) · Round 27 to the nearest ten = 30 (E) · Round 2,875 to the nearest hundred = 2900 (B) · Round 20 to the nearest ten = 20 (S) · Round 427 to the nearest ten = 430 (W) · Round 126 to the nearest ten = 130 (H) · Round 287 to the nearest ten = 290 (A) · Round 6,575 to the nearest thousand = 7000 (N) · Round 2,376 to the nearest thousand = 2000 (K) · Round 69 to the nearest ten = 70 (R) · Round 93 to the nearest ten = 90 (U) · Round 925 to the nearest hundred = 900 (F)

Clue 4 (Subtraction): "WE FOUND A GREEN CREEPER HOOD LEFT BEHIND"

$12181 - 4071 = 8110$ (W) · $9708 - 4840 = 4868$ (T) · $5679 - 3401 = 2278$ (H) · $6195 - 228 = 5967$ (O) · $9330 - 627 = 8703$ (I) · $10834 - 1870 = 8964$ (G) · $6645 - 4594 = 2051$ (L) · $11793 - 2990 = 8803$ (C) · $4736 - 1733 = 3003$ (R) · $3619 - 1471 = 2148$ (E) · $10494 - 1513 = 8981$ (P) · $5804 - 3098 = 2706$ (N) · $9769 - 3124 = 6645$ (B) · $3116 - 254 = 2862$ (A) · $4731 - 862 = 3869$ (F) · $9205 - 3728 = 5477$ (U) · $7849 - 2212 = 5637$ (D)

Clue 5 (Division facts (1-12)): surviving statement is box 3 → DanTDM

$84 \div 7 = 12$ · $50 \div 10 = 5$ · $44 \div 4 = 11$ · $44 \div 11 = 4$ · $27 \div 3 = 9$ · $6 \div 6 = 1$ · $40 \div 5 = 8$ · $10 \div 1 = 10$ · $24 \div 4 = 6$ · $8 \div 4 = 2$ · $49 \div 7 = 7$