



The Mystery of the Missing Dragon Egg

Grade 5 math · Multiplication, Fractions of a number, Addition, Subtraction, Division · Reading level grades 3-4

Detective: _____ **Date:** _____

The legendary Ender Dragon Egg has been stolen from the spawn temple! A mysterious Griefer sneaked past the redstone security. We need to analyze the blocks and tracks left behind to catch them before the server reboots.

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	GRIEFING ABILITY	IN-GAME GEAR	MINING ARM	HEAD WEAR	SERVER DEFENSE
BdoubleO	Creeper Blast	Diamond Shield	Right-Handed Swing	Creeper Mask	Ocelot Meows
EthosLab	Redstone Spark	Golden Apple	Right-Handed Swing	Creeper Mask	Ocelot Meows
PearlescentMoon	Golem Smash	Splash Potion	Right-Handed Swing	Creeper Mask	Ocelot Meows
Docm77	Elytra Glide	Diamond Shield	Right-Handed Swing	Creeper Mask	Ocelot Meows
LDShadowLady	Elytra Glide	Diamond Shield	Right-Handed Swing	Creeper Mask	Water Buckets
GeminiTay	Creeper Blast	Splash Potion	Right-Handed Swing	Steve Pixels	Ocelot Meows
Grian	Redstone Spark	Diamond Shield	Left-Handed Swing	Creeper Mask	Ocelot Meows
Steve	Golem Smash	Lapis Charm	Right-Handed Swing	Creeper Mask	Water Buckets
TangoTek	Redstone Spark	Lapis Charm	Left-Handed Swing	Pumpkin Helmet	Water Buckets
Alex	Golem Smash	Splash Potion	Right-Handed Swing	Creeper Mask	Water Buckets
CaptainSparklez	Ender Teleport	Netherite Sword	Left-Handed Swing	Pumpkin Helmet	Water Buckets
Stampy	Creeper Blast	Golden Apple	Right-Handed Swing	Steve Pixels	Ocelot Meows
Keralis	Ender Teleport	Diamond Shield	Right-Handed Swing	Steve Pixels	Ocelot Meows
FalseSymmetry	Creeper Blast	Netherite Sword	Right-Handed Swing	Steve Pixels	Iron Golems
Iskall	Golem Smash	Golden Apple	Left-Handed Swing	Steve Pixels	Ocelot Meows
Mumbo	Golem Smash	Netherite Sword	Left-Handed Swing	Creeper Mask	Ocelot Meows
GoodTimesWithScar	Ender Teleport	Netherite Sword	Right-Handed Swing	Creeper Mask	Iron Golems
DanTDM	Redstone Spark	Splash Potion	Left-Handed Swing	Creeper Mask	Ocelot Meows
Smajor	Creeper Blast	Lapis Charm	Right-Handed Swing	Creeper Mask	Ocelot Meows
Solidarity	Elytra Glide	Golden Apple	Left-Handed Swing	Creeper Mask	Ocelot Meows
VintageBeef	Golem Smash	Golden Apple	Right-Handed Swing	Steve Pixels	Iron Golems

CLUE 1
Multiplication facts (1-12)

The thief snuck into the storage room. We need to multiply the rows of chests to see how many got messed up.

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

T																T
14	99	5	56	8	20	20	55	8	100	84	18	5	30	100	18	14
											T					
3	30	5	30	9	20	55	30	99	9	18	14	8	18	100	30	

$2 \times 7 = \square \rightarrow$ T	$9 \times 1 = \square \rightarrow$ P	$7 \times 8 = \square \rightarrow$ V	$1 \times 5 = \square \rightarrow$ E
$10 \times 10 = \square \rightarrow$ N	$1 \times 3 = \square \rightarrow$ U	$9 \times 11 = \square \rightarrow$ H	
$1 \times 8 = \square \rightarrow$ I	$6 \times 3 = \square \rightarrow$ O	$10 \times 2 = \square \rightarrow$ L	
$5 \times 11 = \square \rightarrow$ A	$5 \times 6 = \square \rightarrow$ S	$12 \times 7 = \square \rightarrow$ D	

Scratch space:

CLUE 2

Fractions of a number

We found a pile of dropped loot. Only a fraction of the blocks are real diamonds, so let us calculate the true amount.

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

W																			
24	3	5	15	18	33	8	23	15	20	36	28	3	14	22	26	13	36	3	8

									W				
15	33	23	28	3	20	34	40	28	23	24	13	26	26

$4/10 \text{ of } 60 = \square \rightarrow \boxed{\text{W}}$

$1/5 \text{ of } 115 = \square \rightarrow \boxed{\text{T}}$

$1/6 \text{ of } 78 = \square \rightarrow \boxed{\text{A}}$

$1/2 \text{ of } 40 = \square \rightarrow \boxed{\text{R}}$

$6/8 \text{ of } 44 = \square \rightarrow \boxed{\text{N}}$

$2/4 \text{ of } 72 = \square \rightarrow \boxed{\text{C}}$

$1/5 \text{ of } 140 = \square \rightarrow \boxed{\text{H}}$

$1/5 \text{ of } 130 = \square \rightarrow \boxed{\text{L}}$

$1/10 \text{ of } 80 = \square \rightarrow \boxed{\text{D}}$

$1/4 \text{ of } 88 = \square \rightarrow \boxed{\text{P}}$

$1/5 \text{ of } 75 = \square \rightarrow \boxed{\text{O}}$

$5/10 \text{ of } 28 = \square \rightarrow \boxed{\text{S}}$

$1/8 \text{ of } 24 = \square \rightarrow \boxed{\text{E}}$

$1/3 \text{ of } 120 = \square \rightarrow \boxed{\text{G}}$

$4/6 \text{ of } 27 = \square \rightarrow \boxed{\text{U}}$

$2/8 \text{ of } 20 = \square \rightarrow \boxed{\text{F}}$

$4/8 \text{ of } 68 = \square \rightarrow \boxed{\text{I}}$

Scratch space:

CLUE 3
Addition

A friendly villager tallies up the remaining iron doors in the village. We must add these numbers to see what is left.

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

T																	T	
6390	5857	6878	8264	9452	6613	3769	4108	7106	7926	6878	3262	6927	3262	6878	6878	7106	5198	6390

T										T			
6390	5857	6878	8264	6613	3769	4108	7106	6613	6927	9452	5198	6390	8264

$3517 + 2873 = \square \rightarrow \text{**T**}$

$3647 + 2966 = \square \rightarrow \text{**O**}$

$1823 + 1439 = \square \rightarrow \text{**L**}$

$3206 + 1992 = \square \rightarrow \text{**A**}$

$2789 + 3068 = \square \rightarrow \text{**H**}$

$4819 + 2108 = \square \rightarrow \text{**F**}$

$4012 + 4252 = \square \rightarrow \text{**S**}$

$4144 + 2734 = \square \rightarrow \text{**E**}$

$3158 + 3948 = \square \rightarrow \text{**D**}$

$5033 + 4419 = \square \rightarrow \text{**C**}$

$1274 + 2834 = \square \rightarrow \text{**N**}$

$5034 + 2892 = \square \rightarrow \text{**R**}$

$1375 + 2394 = \square \rightarrow \text{**U**}$

Scratch space:

CLUE 4 Subtraction

The culprit stole coal from the smelting furnaces. Subtract the leftover fuel from the total to find the missing amount.

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

G																
6022	1839	1977	1977	7632	3206	4099	5410	4935	3723	1221	1839	1977	4099	1344	5410	
				G												
6690	5788	2003	7632	6022	3723	6476	3723	1221	1977	6690	1221	1977	5410	3723		

$$7972 - 1950 = \boxed{} \rightarrow \boxed{\text{G}}$$

$$9717 - 3027 = \boxed{} \rightarrow \boxed{\text{C}}$$

$$4311 - 2308 = \boxed{} \rightarrow \boxed{\text{U}}$$

$$5437 - 1714 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$3032 - 1811 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$3932 - 726 = \boxed{} \rightarrow \boxed{\text{M}}$$

$$5035 - 100 = \boxed{} \rightarrow \boxed{\text{K}}$$

$$6443 - 1033 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$8099 - 1623 = \boxed{} \rightarrow \boxed{\text{O}}$$

$$5038 - 3199 = \boxed{} \rightarrow \boxed{\text{R}}$$

$$8435 - 4336 = \boxed{} \rightarrow \boxed{\text{A}}$$

$$9372 - 3584 = \boxed{} \rightarrow \boxed{\text{L}}$$

$$8188 - 556 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$5066 - 3089 = \boxed{} \rightarrow \boxed{\text{E}}$$

$$2471 - 1127 = \boxed{} \rightarrow \boxed{\text{D}}$$

Scratch space:

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

The guard divides the recovery potions among the search parties. Work out this division to plan our final chase.

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:

$16 \div 8 = \boxed{}$

$5 \div 1 = \boxed{}$

$55 \div 5 = \boxed{}$

$90 \div 10 = \boxed{}$

$49 \div 7 = \boxed{}$

$44 \div 11 = \boxed{}$

$30 \div 3 = \boxed{}$

$9 \div 9 = \boxed{}$

$56 \div 7 = \boxed{}$

$60 \div 10 = \boxed{}$

$33 \div 11 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain powers up the redstone gate, then tosses a healing splash potion.
2. The villain glides away with a pair of wings, then blocks attacks with a diamond shield.
3. The villain smashes down the wooden door, then tosses a healing splash potion.
4. The villain teleports through the block walls, then swings a glowing netherite sword.
5. The villain blows open the stone vault, then uses a lucky lapis charm.
6. The villain smashes down the wooden door, then swings a glowing netherite sword.
7. The villain blows open the stone vault, then tosses a healing splash potion.
8. The villain powers up the redstone gate, then swings a glowing netherite sword.
9. The villain smashes down the wooden door, then eats a shiny golden apple.
10. The villain teleports through the block walls, then tosses a healing splash potion.
11. The villain powers up the redstone gate, then eats a shiny golden apple.
12. The villain blows open the stone vault, then blocks attacks with a diamond shield.

Answer Key

The Mystery of the Missing Dragon Egg

Culprit: BdoubleO

Creeper Blast · Diamond Shield · Right-Handed Swing · Creeper Mask · Ocelot Meows

Trail: Start 21 → Clue 1 17 → Clue 2 11 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE VILLAIN DOES NOT USE SPLASH POTIONS"

$2 \times 7 = 14$ (T) · $9 \times 1 = 9$ (P) · $7 \times 8 = 56$ (V) · $1 \times 5 = 5$ (E) · $10 \times 10 = 100$ (N) · $1 \times 3 = 3$ (U) · $9 \times 11 = 99$ (H) · $1 \times 8 = 8$ (I) · $6 \times 3 = 18$ (O) · $10 \times 2 = 20$ (L) · $5 \times 11 = 55$ (A) · $5 \times 6 = 30$ (S) · $12 \times 7 = 84$ (D)

Clue 2 (Fractions of a number): "WE FOUND TORCHES PLACED ON THE RIGHT WALL"

$4/10$ of 60 = 24 (W) · $1/5$ of 115 = 23 (T) · $1/6$ of 78 = 13 (A) · $1/2$ of 40 = 20 (R) · $6/8$ of 44 = 33 (N) · $2/4$ of 72 = 36 (C) · $1/5$ of 140 = 28 (H) · $1/5$ of 130 = 26 (L) · $1/10$ of 80 = 8 (D) · $1/4$ of 88 = 22 (P) · $1/5$ of 75 = 15 (O) · $5/10$ of 28 = 14 (S) · $1/8$ of 24 = 3 (E) · $1/3$ of 120 = 40 (G) · $4/6$ of 27 = 18 (U) · $2/8$ of 20 = 5 (F) · $4/8$ of 68 = 34 (I)

Clue 3 (Addition): "THE SCOUNDREL FLEED AT THE SOUND OF CATS"

$3517 + 2873 = 6390$ (T) · $3647 + 2966 = 6613$ (O) · $1823 + 1439 = 3262$ (L) · $3206 + 1992 = 5198$ (A) · $2789 + 3068 = 5857$ (H) · $4819 + 2108 = 6927$ (F) · $4012 + 4252 = 8264$ (S) · $4144 + 2734 = 6878$ (E) · $3158 + 3948 = 7106$ (D) · $5033 + 4419 = 9452$ (C) · $1274 + 2834 = 4108$ (N) · $5034 + 2892 = 7926$ (R) · $1375 + 2394 = 3769$ (U)

Clue 4 (Subtraction): "GREEN MASK THREADS CLUNG TO THE CHEST"

$7972 - 1950 = 6022$ (G) · $9717 - 3027 = 6690$ (C) · $4311 - 2308 = 2003$ (U) · $5437 - 1714 = 3723$ (T) · $3032 - 1811 = 1221$ (H) · $3932 - 726 = 3206$ (M) · $5035 - 100 = 4935$ (K) · $6443 - 1033 = 5410$ (S) · $8099 - 1623 = 6476$ (O) · $5038 - 3199 = 1839$ (R) · $8435 - 4336 = 4099$ (A) · $9372 - 3584 = 5788$ (L) · $8188 - 556 = 7632$ (N) · $5066 - 3089 = 1977$ (E) · $2471 - 1127 = 1344$ (D)

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

$16 \div 8 = 2$ · $5 \div 1 = 5$ · $55 \div 5 = 11$ · $90 \div 10 = 9$ · $49 \div 7 = 7$ · $44 \div 11 = 4$ · $30 \div 3 = 10$ · $9 \div 9 = 1$ · $56 \div 7 = 8$ · $60 \div 10 = 6$ · $33 \div 11 = 3$