



The Lost Ender Dragon Egg

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

Detective: _____ **Date:** _____

Oh no! Someone broke into the spawn castle on the Blocky SMP and stole the rare Ender Dragon Egg! The server owner is super upset. We need to find the sneaky griefer before they hide the egg forever. Use your math skills to crack the codes and save the server!

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	MAIN SKILL	SPECIAL GEAR	CLICKING STYLE	CHARACTER HAIR	IN-GAME FEAR
Steve	building redstone traps	wearing netherite armor	left-handed clicking	alex orange hair	hates deep water
CaptainSparklez	throwing ender pearls	blasting blocks with tnt	left-handed clicking	neon green hair	runs from phantoms
Skizzleman	building redstone traps	blasting blocks with tnt	left-handed clicking	steve brown hair	runs from phantoms
Rendog	throwing ender pearls	flying with elytra	left-handed clicking	steve brown hair	runs from phantoms
ImpulseSV	throwing ender pearls	wearing netherite armor	left-handed clicking	steve brown hair	scared of creepers
Etho	brewing swiftess potions	doing a water bucket clutch	left-handed clicking	neon green hair	scared of creepers
Stampy	brewing swiftess potions	flying with elytra	left-handed clicking	neon green hair	runs from phantoms
LDShadowLady	speedbridging over lava	flying with elytra	right-handed clicking	steve brown hair	scared of creepers
MumboJumbo	taming wild wolves	flying with elytra	right-handed clicking	steve brown hair	scared of creepers
SmallishBeans	taming wild wolves	holding a totem of undying	left-handed clicking	steve brown hair	runs from phantoms
Alex	throwing ender pearls	blasting blocks with tnt	right-handed clicking	steve brown hair	runs from phantoms
Dream	speedbridging over lava	blasting blocks with tnt	left-handed clicking	steve brown hair	runs from phantoms
Iskall	brewing swiftess potions	wearing netherite armor	left-handed clicking	neon green hair	runs from phantoms
FalseSymmetry	taming wild wolves	wearing netherite armor	right-handed clicking	steve brown hair	runs from phantoms
VintageBeef	taming wild wolves	blasting blocks with tnt	left-handed clicking	neon green hair	hates deep water
GeorgeNotFound	throwing ender pearls	doing a water bucket clutch	left-handed clicking	steve brown hair	runs from phantoms
BdoubleO	taming wild wolves	blasting blocks with tnt	right-handed clicking	neon green hair	scared of creepers
TangoTek	throwing ender pearls	wearing netherite armor	right-handed clicking	alex orange hair	hates deep water
DanTDM	throwing ender pearls	wearing netherite armor	left-handed clicking	steve brown hair	hates deep water
PearlescentMoon	brewing swiftess potions	doing a water bucket clutch	left-handed clicking	steve brown hair	scared of creepers
Grian	taming wild wolves	wearing netherite armor	right-handed clicking	alex orange hair	scared of creepers

CLUE 1 Addition

We found a double chest with leftover block supplies! Let us add up all the cobblestone and dirt blocks to see what gear the thief did not bring.

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

T			T											T				
9844	2871	6347	9844	2871	8015	6347	8405	3194	4947	6347	9381	4760	4947	9844	9161	9381	6347	5073

T		T											
9844	4947	9844	6347	6393	4947	8405	9161	4760	3194	2151	8015	4760	6384

$5129 + 4715 = \boxed{} \rightarrow \boxed{\text{T}}$

$5994 + 3387 = \boxed{} \rightarrow \boxed{\text{S}}$

$1118 + 2076 = \boxed{} \rightarrow \boxed{\text{D}}$

$2388 + 3996 = \boxed{} \rightarrow \boxed{\text{G}}$

$918 + 1233 = \boxed{} \rightarrow \boxed{\text{Y}}$

$2962 + 1798 = \boxed{} \rightarrow \boxed{\text{N}}$

$5259 + 2756 = \boxed{} \rightarrow \boxed{\text{I}}$

$3162 + 1785 = \boxed{} \rightarrow \boxed{\text{O}}$

$3452 + 1621 = \boxed{} \rightarrow \boxed{\text{A}}$

$5542 + 2863 = \boxed{} \rightarrow \boxed{\text{F}}$

$3135 + 3258 = \boxed{} \rightarrow \boxed{\text{M}}$

$3577 + 2770 = \boxed{} \rightarrow \boxed{\text{E}}$

$861 + 2010 = \boxed{} \rightarrow \boxed{\text{H}}$

$4656 + 4505 = \boxed{} \rightarrow \boxed{\text{U}}$

Scratch space:

Subtraction

The griever took some damage falling from the castle wall. Let us subtract their lost hearts to see how much health they have left.

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

The diagram illustrates a sequence of numbers arranged in two rows. The top row contains 16 boxes, and the bottom row contains 12 boxes. Each box is labeled with a number below it. Some boxes are shaded orange and contain the letter 'T', indicating they are 'true' or 'active'.

Top Row:

- Box 1: Orange, T (2443)
- Box 2: White (5372)
- Box 3: White (8092)
- Box 4: White (5070)
- Box 5: White (2280)
- Box 6: White (5070)
- Box 7: White (7555)
- Box 8: White (8092)
- Box 9: White (7642)
- Box 10: Orange, T (2443)
- Box 11: White (7642)
- Box 12: White (5352)
- Box 13: White (2613)
- Box 14: White (7642)
- Box 15: White (6516)
- Box 16: White (5070)

Bottom Row:

- Box 1: Orange, T (2443)
- Box 2: White (5372)
- Box 3: White (8092)
- Box 4: White (2613)
- Box 5: White (2907)
- Box 6: White (5352)
- Box 7: White (8092)
- Box 8: White (8581)
- Box 9: Orange, T (2443)
- Box 10: White (5372)
- Box 11: White (2168)
- Box 12: White (8013)
- Box 13: White (3821)

$$5681 - 3238 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$4336 - 2056 = \boxed{} \rightarrow \boxed{\text{U}}$$

$$10810 - 4294 = \boxed{} \rightarrow \boxed{\text{K}}$$

$$6518 - 3905 = \boxed{} \rightarrow \boxed{} \mid \boxed{}$$

$$3947 - 1040 = \boxed{} \rightarrow \boxed{\text{R}}$$

$$10241 - 4889 = \boxed{} \rightarrow \boxed{\text{L}}$$

$8442 - 4621 = \boxed{} \rightarrow \mathbf{D}$

$$6070 - 3259 = \boxed{} \rightarrow \boxed{\text{W}}$$

$$10286 - 2731 = \boxed{} \rightarrow \boxed{\text{P}}$$

$$5993 - 3825 = \boxed{} \rightarrow \boxed{\mathbf{A}}$$

$$9059 - 3989 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$6400 - 1028 = \boxed{} \rightarrow \boxed{\text{H}}$$

$11530 - 3438 = \boxed{} \rightarrow \boxed{\text{E}}$

$12533 - 4891 = \boxed{} \rightarrow \boxed{\text{C}}$

$12141 - 3560 = \boxed{} \rightarrow \boxed{\text{F}}$

$8627 - 614 = \boxed{} \rightarrow \boxed{\text{N}}$

Scratch space:

CLUE 3

Multiplication facts (1-12)

The suspect left a neat grid of redstone repeaters on the floor. Let us multiply the rows to find their secret code.

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

T																			
50	24	32	5	35	72	72	63	35	110	24	35	120	35	110	120	11	11	25	10
				T						T									
15	25	11	48	50	24	32	20	24	63	110	50	11	48	10					

$5 \times 10 = \square \rightarrow \boxed{\text{T}}$

$11 \times 10 = \square \rightarrow \boxed{\text{N}}$

$7 \times 5 = \square \rightarrow \boxed{\text{I}}$

$5 \times 4 = \square \rightarrow \boxed{\text{P}}$

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

$5 \times 5 = \square \rightarrow \boxed{\text{R}}$

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

$6 \times 4 = \square \rightarrow \boxed{\text{H}}$

$8 \times 9 = \square \rightarrow \boxed{\text{L}}$

$1 \times 5 = \square \rightarrow \boxed{\text{V}}$

$12 \times 4 = \square \rightarrow \boxed{\text{M}}$

$5 \times 3 = \square \rightarrow \boxed{\text{F}}$

$5 \times 2 = \square \rightarrow \boxed{\text{S}}$

$8 \times 4 = \square \rightarrow \boxed{\text{E}}$

$10 \times 12 = \square \rightarrow \boxed{\text{D}}$

Scratch space:

CLUE 4
Fractions of a number

A stack of shiny blue diamonds was split up to pay off a helper. We need to calculate what fraction of the sixty four diamonds is missing.

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

W															
4	18	23	36	24	38	39	31	17	33	5	38	39	31	36	23

			W													
8	33	36	4	38	16	5	20	33	36	38	17	16	18	8	18	39

$2/10 \text{ of } 20 = \square \rightarrow \text{W}$

$1/4 \text{ of } 124 = \square \rightarrow \text{S}$

$5/10 \text{ of } 34 = \square \rightarrow \text{T}$

$4/8 \text{ of } 66 = \square \rightarrow \text{R}$

$2/5 \text{ of } 90 = \square \rightarrow \text{O}$

$2/6 \text{ of } 69 = \square \rightarrow \text{F}$

$3/8 \text{ of } 48 = \square \rightarrow \text{E}$

$2/6 \text{ of } 114 = \square \rightarrow \text{N}$

$5/8 \text{ of } 8 = \square \rightarrow \text{A}$

$2/6 \text{ of } 24 = \square \rightarrow \text{B}$

$1/4 \text{ of } 96 = \square \rightarrow \text{U}$

$2/6 \text{ of } 117 = \square \rightarrow \text{D}$

$2/6 \text{ of } 48 = \square \rightarrow \text{H}$

$2/5 \text{ of } 50 = \square \rightarrow \text{I}$

Scratch space:

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

The griever shared their stolen iron ingots into equal piles for their team. Let us divide the total loot to trace where they ran.

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:

$24 \div 2 = \boxed{}$

$11 \div 11 = \boxed{}$

$45 \div 9 = \boxed{}$

$54 \div 9 = \boxed{}$

$54 \div 6 = \boxed{}$

$6 \div 3 = \boxed{}$

$21 \div 7 = \boxed{}$

$48 \div 6 = \boxed{}$

$77 \div 11 = \boxed{}$

$48 \div 12 = \boxed{}$

$11 \div 1 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain threw an ender pearl, then made a water bucket clutch.
2. The villain built a redstone trap, then escaped using netherite armor.
3. The villain bridged across the void, then saved themselves with a totem.
4. The villain bridged across the void, then flew away with an elytra.
5. The villain bridged across the void, then blew up the wall with tnt.
6. The villain tamed a pack of wolves, then made a water bucket clutch.
7. The villain bridged across the void, then made a water bucket clutch.
8. The villain built a redstone trap, then saved themselves with a totem.
9. The villain brewed a swiftmess potion, then saved themselves with a totem.
10. The villain built a redstone trap, then blew up the wall with tnt.
11. The villain brewed a swiftmess potion, then escaped using netherite armor.
12. The villain threw an ender pearl, then flew away with an elytra.

Answer Key

The Lost Ender Dragon Egg

Culprit: Skizzleman

building redstone traps · blasting blocks with tnt · left-handed clicking · steve brown hair · runs from phantoms

Trail: Start 21 → Clue 1 20 → Clue 2 13 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE THIEF DOES NOT USE A TOTEM OF UNDYING"

$5129 + 4715 = 9844$ (T) · $5994 + 3387 = 9381$ (S) · $1118 + 2076 = 3194$ (D) · $2388 + 3996 = 6384$ (G) · $918 + 1233 = 2151$ (Y) · $2962 + 1798 = 4760$ (N) · $5259 + 2756 = 8015$ (I) · $3162 + 1785 = 4947$ (O) · $3452 + 1621 = 5073$ (A) · $5542 + 2863 = 8405$ (F) · $3135 + 3258 = 6393$ (M) · $3577 + 2770 = 6347$ (E) · $861 + 2010 = 2871$ (H) · $4656 + 4505 = 9161$ (U)

Clue 2 (Subtraction): "THE SUSPECT CLICKS WITH THEIR LEFT HAND"

$5681 - 3238 = 2443$ (T) · $4336 - 2056 = 2280$ (U) · $10810 - 4294 = 6516$ (K) · $6518 - 3905 = 2613$ (I) · $3947 - 1040 = 2907$ (R) · $10241 - 4889 = 5352$ (L) · $8442 - 4621 = 3821$ (D) · $6070 - 3259 = 2811$ (W) · $10286 - 2731 = 7555$ (P) · $5993 - 3825 = 2168$ (A) · $9059 - 3989 = 5070$ (S) · $6400 - 1028 = 5372$ (H) · $11530 - 3438 = 8092$ (E) · $12533 - 4891 = 7642$ (C) · $12141 - 3560 = 8581$ (F) · $8627 - 614 = 8013$ (N)

Clue 3 (Multiplication facts (1-12)): "THE VILLAIN HID INDOORS FROM THE PHANTOMS"

$5 \times 10 = 50$ (T) · $11 \times 10 = 110$ (N) · $7 \times 5 = 35$ (I) · $5 \times 4 = 20$ (P) · $7 \times 9 = 63$ (A) · $5 \times 5 = 25$ (R) · $11 \times 1 = 11$ (O) · $6 \times 4 = 24$ (H) · $8 \times 9 = 72$ (L) · $1 \times 5 = 5$ (V) · $12 \times 4 = 48$ (M) · $5 \times 3 = 15$ (F) · $5 \times 2 = 10$ (S) · $8 \times 4 = 32$ (E) · $10 \times 12 = 120$ (D)

Clue 4 (Fractions of a number): "WE FOUND STRANDS OF BROWN HAIR ON THE BED"

$2/10$ of 20 = 4 (W) · $1/4$ of 124 = 31 (S) · $5/10$ of 34 = 17 (T) · $4/8$ of 66 = 33 (R) · $2/5$ of 90 = 36 (O) · $2/6$ of 69 = 23 (F) · $3/8$ of 48 = 18 (E) · $2/6$ of 114 = 38 (N) · $5/8$ of 8 = 5 (A) · $2/6$ of 24 = 8 (B) · $1/4$ of 96 = 24 (U) · $2/6$ of 117 = 39 (D) · $2/6$ of 48 = 16 (H) · $2/5$ of 50 = 20 (I)

Clue 5 (Division facts (1-12)): surviving statement is box 10 → Skizzleman

$24 \div 2 = 12$ · $11 \div 11 = 1$ · $45 \div 9 = 5$ · $54 \div 9 = 6$ · $54 \div 6 = 9$ · $6 \div 3 = 2$ · $21 \div 7 = 3$ · $48 \div 6 = 8$ · $77 \div 11 = 7$ · $48 \div 12 = 4$ · $11 \div 1 = 11$