



The Loot Llama Caper

Grade 5 math · Addition, Subtraction, Multiplication, Fractions of a number, Division · Reading level grades 5-6

Detective: _____ **Date:** _____

During the championship match on Neon Towers Island, a rogue player hacked the Zero Vault and swiped the Golden Llama Trophy. The security grid recorded clues, but only a skilled detective can crack the code and find the culprit before the storm closes in.

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 Saboteur is _____

Possible suspects

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

NAME	MAIN UTILITY	SPECIAL GEAR	DOMINANT HAND	OUTFIT STYLE	COUNTER ITEM
Chica	Boogie Bomb	Jetpack Hover	Right Handed	Bright Cyan Spikes	Boogie Bomb Music
Myth	Grapple Glove	Stealth Camo	Right Handed	Bright Cyan Spikes	Boogie Bomb Music
Pokimane	Rift To Go	Jetpack Hover	Left Handed	Golden Dreadlocks	Slither Smoke
Loserfruit	Grapple Glove	Glider Trails	Left Handed	Golden Dreadlocks	Slither Smoke
PixelPatrol	Slurp Juice Boost	Jetpack Hover	Right Handed	Golden Dreadlocks	Slither Smoke
Dakotaz	Grapple Glove	Jetpack Hover	Right Handed	Neon Pink Mohawk	Boogie Bomb Music
Tfue	Grapple Glove	Glider Trails	Right Handed	Bright Cyan Spikes	Boogie Bomb Music
Mongraal	Shockwave Grenade	Glider Trails	Left Handed	Golden Dreadlocks	Chug Splash Mist
DrLupo	Shockwave Grenade	Glider Trails	Right Handed	Bright Cyan Spikes	Chug Splash Mist
RiftRider	Shockwave Grenade	Jetpack Hover	Left Handed	Golden Dreadlocks	Slither Smoke
Monomyth	Rift To Go	Jetpack Hover	Left Handed	Bright Cyan Spikes	Boogie Bomb Music
SypherPK	Boogie Bomb	Glider Trails	Right Handed	Neon Pink Mohawk	Slither Smoke
Lachlan	Slurp Juice Boost	Stealth Camo	Left Handed	Bright Cyan Spikes	Boogie Bomb Music
AliA	Grapple Glove	Jetpack Hover	Right Handed	Neon Pink Mohawk	Chug Splash Mist
NickEh30	Rift To Go	Stealth Camo	Right Handed	Bright Cyan Spikes	Chug Splash Mist
Valkyrae	Grapple Glove	Stealth Camo	Left Handed	Bright Cyan Spikes	Boogie Bomb Music
StormSlayer	Boogie Bomb	Stealth Camo	Right Handed	Bright Cyan Spikes	Boogie Bomb Music
Clix	Grapple Glove	Stealth Camo	Right Handed	Golden Dreadlocks	Chug Splash Mist
Fresh	Boogie Bomb	Shield Bubble	Right Handed	Bright Cyan Spikes	Boogie Bomb Music
Aydan	Boogie Bomb	Jetpack Hover	Left Handed	Neon Pink Mohawk	Boogie Bomb Music
CourageJD	Rift To Go	Shield Bubble	Right Handed	Bright Cyan Spikes	Chug Splash Mist

CLUE 1 Addition

To calculate the total materials gathered at Tilted Docks, combine the wood stack with the brick pile.

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

2741 8289 5761 7673 7988 5596 5596 3045 7988 8182 6796 7988 6796 8182 8277 2741 2034 2742 5761

3045 2742 8289 7988 5761 5596 6796 5030 2034 5030 5030 5596 5761

$857 + 1884 = \boxed{} \rightarrow \boxed{\text{T}}$

$5141 + 2847 = \boxed{} \rightarrow \boxed{} \mid$

$3107 + 3689 = \boxed{} \rightarrow \boxed{\text{D}}$

$$4601 + 3676 = \boxed{} \rightarrow \boxed{0}$$

$$4905 + 2768 = \boxed{} \rightarrow \boxed{\mathbf{V}}$$

$$3754 + 2007 = \boxed{} \rightarrow \boxed{\text{E}}$$

$$3382 + 4800 = \boxed{} \rightarrow \boxed{\text{N}}$$

$1830 + 912 = \boxed{} \rightarrow \boxed{\text{S}}$

$$3352 + 2244 = \boxed{} \rightarrow \boxed{\text{L}}$$

$$4709 + 3580 = \boxed{} \rightarrow \boxed{\text{H}}$$

$1199 + 1846 = \boxed{} \rightarrow \boxed{\mathbf{A}}$

$$3006 + 2024 = \boxed{} \rightarrow \boxed{\mathbf{B}}$$

$$993 + 1041 = \boxed{} \rightarrow \boxed{\text{U}}$$

Scratch space:

CLUE 2

Subtraction

Subtract the shield damage taken from your starting total to find how much energy remains.

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

T			T															T
1242	3671	5085	1242	6359	8534	5389	7841	8360	8360	3671	8761	1409	8534	6359	8126	3071	3671	1242

3671	8534	5498	8909	5085	8909	3135	2088	8534	8690	5085	6359

$5436 - 4194 = \square \rightarrow \boxed{\text{T}}$

$6485 - 2814 = \square \rightarrow \boxed{\text{H}}$

$8270 - 429 = \square \rightarrow \boxed{\text{K}}$

$7182 - 4111 = \square \rightarrow \boxed{\text{G}}$

$9876 - 1342 = \square \rightarrow \boxed{\text{A}}$

$4793 - 1658 = \square \rightarrow \boxed{\text{P}}$

$6499 - 1001 = \square \rightarrow \boxed{\text{N}}$

$5360 - 3951 = \square \rightarrow \boxed{\text{W}}$

$9500 - 1374 = \square \rightarrow \boxed{\text{I}}$

$12858 - 4097 = \square \rightarrow \boxed{\text{O}}$

$5315 - 230 = \square \rightarrow \boxed{\text{E}}$

$5407 - 3319 = \square \rightarrow \boxed{\text{L}}$

$8923 - 2564 = \square \rightarrow \boxed{\text{R}}$

$10488 - 1798 = \square \rightarrow \boxed{\text{Y}}$

$10477 - 1568 = \square \rightarrow \boxed{\text{D}}$

$6265 - 876 = \square \rightarrow \boxed{\text{C}}$

$9507 - 1147 = \square \rightarrow \boxed{\text{S}}$

Scratch space:

CLUE 3
Multiplication facts (1-12)

The supply drop contains several identical crates filled with mini shields.

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

D																	
44	56	12	49	11	1	18	16	99	49	72	4	121	64	11	24	32	11

16	12	11	56	60	7	3	99	25	25	56	99	12

$11 \times 4 =$

→ **D**

$8 \times 3 =$

→ **T**

$4 \times 8 =$

→ **H**

$7 \times 7 =$

→ **C**

$11 \times 11 =$

→ **O**

$11 \times 1 =$

→ **E**

$1 \times 1 =$

→ **M**

$8 \times 8 =$

→ **Z**

$5 \times 5 =$

→ **L**

$10 \times 6 =$

→ **K**

$7 \times 1 =$

→ **Y**

$8 \times 9 =$

→ **F**

$7 \times 8 =$

→ **A**

$4 \times 3 =$

→ **N**

$2 \times 8 =$

→ **S**

$9 \times 11 =$

→ **I**

$9 \times 2 =$

→ **U**

$3 \times 1 =$

→ **V**

$2 \times 2 =$

→ **R**

Scratch space:

CLUE 4
Fractions of a number

Only a fraction of the gold bars inside the vault were recovered from the crash site.

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

B																			
11	13	33	36	39	23	21	19	18	3	29	6	33	16	24	29	10	24	13	24
32	24	25	23	18	23	23	39	24	35	13	31	6							

$1/4 \text{ of } 44 = \square \rightarrow \text{B}$

$2/4 \text{ of } 20 = \square \rightarrow \text{W}$

$6/10 \text{ of } 30 = \square \rightarrow \text{A}$

$1/5 \text{ of } 155 = \square \rightarrow \text{O}$

$1/3 \text{ of } 108 = \square \rightarrow \text{G}$

$5/6 \text{ of } 42 = \square \rightarrow \text{D}$

$1/4 \text{ of } 128 = \square \rightarrow \text{L}$

$2/8 \text{ of } 52 = \square \rightarrow \text{R}$

$4/8 \text{ of } 46 = \square \rightarrow \text{T}$

$7/8 \text{ of } 24 = \square \rightarrow \text{C}$

$2/5 \text{ of } 40 = \square \rightarrow \text{K}$

$1/3 \text{ of } 99 = \square \rightarrow \text{I}$

$1/5 \text{ of } 30 = \square \rightarrow \text{P}$

$5/10 \text{ of } 50 = \square \rightarrow \text{F}$

$2/10 \text{ of } 145 = \square \rightarrow \text{S}$

$3/10 \text{ of } 130 = \square \rightarrow \text{H}$

$1/6 \text{ of } 18 = \square \rightarrow \text{N}$

$1/4 \text{ of } 76 = \square \rightarrow \text{Y}$

$1/2 \text{ of } 48 = \square \rightarrow \text{E}$

Scratch space:

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

Divide the total V Bucks prize pool equally among the squad members to verify their earnings.

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:

$30 \div 3 = \boxed{}$

$12 \div 3 = \boxed{}$

$35 \div 5 = \boxed{}$

$20 \div 10 = \boxed{}$

$33 \div 11 = \boxed{}$

$50 \div 10 = \boxed{}$

$42 \div 7 = \boxed{}$

$90 \div 10 = \boxed{}$

$7 \div 7 = \boxed{}$

$72 \div 6 = \boxed{}$

$121 \div 11 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain launched a shockwave grenade, then zoomed away with glider trails.
2. The villain escaped through a rift to go, then scouted with a thermal scope.
3. The villain swung with a grapple glove, then deployed a shield bubble.
4. The villain swung with a grapple glove, then zoomed away with glider trails.
5. The villain drank a slurp juice boost, then escaped using a jetpack hover.
6. The villain drank a slurp juice boost, then activated stealth camo.
7. The villain threw a boogie bomb, then activated stealth camo.
8. The villain threw a boogie bomb, then escaped using a jetpack hover.
9. The villain drank a slurp juice boost, then deployed a shield bubble.
10. The villain swung with a grapple glove, then activated stealth camo.
11. The villain threw a boogie bomb, then zoomed away with glider trails.
12. The villain launched a shockwave grenade, then deployed a shield bubble.

Answer Key

The Loot Llama Caper

Culprit: Chica

Boogie Bomb · Jetpack Hover · Right Handed · Bright Cyan Spikes · Boogie Bomb Music

Trail: Start 21 → Clue 1 19 → Clue 2 11 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE VILLAIN DID NOT USE A SHIELD BUBBLE"

$857 + 1884 = 2741$ (T) · $5141 + 2847 = 7988$ (I) · $3107 + 3689 = 6796$ (D) · $4601 + 3676 = 8277$ (O) · $4905 + 2768 = 7673$ (V) · $3754 + 2007 = 5761$ (E) · $3382 + 4800 = 8182$ (N) · $1830 + 912 = 2742$ (S) · $3352 + 2244 = 5596$ (L) · $4709 + 3580 = 8289$ (H) · $1199 + 1846 = 3045$ (A) · $3006 + 2024 = 5030$ (B) · $993 + 1041 = 2034$ (U)

Clue 2 (Subtraction): "THE TRACKS SHOW A RIGHT HANDED PLAYER"

$5436 - 4194 = 1242$ (T) · $6485 - 2814 = 3671$ (H) · $8270 - 429 = 7841$ (K) · $7182 - 4111 = 3071$ (G) · $9876 - 1342 = 8534$ (A) · $4793 - 1658 = 3135$ (P) · $6499 - 1001 = 5498$ (N) · $5360 - 3951 = 1409$ (W) · $9500 - 1374 = 8126$ (I) · $12858 - 4097 = 8761$ (O) · $5315 - 230 = 5085$ (E) · $5407 - 3319 = 2088$ (L) · $8923 - 2564 = 6359$ (R) · $10488 - 1798 = 8690$ (Y) · $10477 - 1568 = 8909$ (D) · $6265 - 876 = 5389$ (C) · $9507 - 1147 = 8360$ (S)

Clue 3 (Multiplication facts (1-12)): "DANCE MUSIC FROZE THE SNEAKY VILLAIN"

$11 \times 4 = 44$ (D) · $8 \times 3 = 24$ (T) · $4 \times 8 = 32$ (H) · $7 \times 7 = 49$ (C) · $11 \times 11 = 121$ (O) · $11 \times 1 = 11$ (E) · $1 \times 1 = 1$ (M) · $8 \times 8 = 64$ (Z) · $5 \times 5 = 25$ (L) · $10 \times 6 = 60$ (K) · $7 \times 1 = 7$ (Y) · $8 \times 9 = 72$ (F) · $7 \times 8 = 56$ (A) · $4 \times 3 = 12$ (N) · $2 \times 8 = 16$ (S) · $9 \times 11 = 99$ (I) · $9 \times 2 = 18$ (U) · $3 \times 1 = 3$ (V) · $2 \times 2 = 4$ (R)

Clue 4 (Fractions of a number): "BRIGHT CYAN SPIKES WERE LEFT AT THE DROP"

$1/4$ of 44 = 11 (B) · $2/4$ of 20 = 10 (W) · $6/10$ of 30 = 18 (A) · $1/5$ of 155 = 31 (O) · $1/3$ of 108 = 36 (G) · $5/6$ of 42 = 35 (D) · $1/4$ of 128 = 32 (L) · $2/8$ of 52 = 13 (R) · $4/8$ of 46 = 23 (T) · $7/8$ of 24 = 21 (C) · $2/5$ of 40 = 16 (K) · $1/3$ of 99 = 33 (I) · $1/5$ of 30 = 6 (P) · $5/10$ of 50 = 25 (F) · $2/10$ of 145 = 29 (S) · $3/10$ of 130 = 39 (H) · $1/6$ of 18 = 3 (N) · $1/4$ of 76 = 19 (Y) · $1/2$ of 48 = 24 (E)

Clue 5 (Division facts (1-12)): surviving statement is box 8 → Chica

$30 \div 3 = 10$ · $12 \div 3 = 4$ · $35 \div 5 = 7$ · $20 \div 10 = 2$ · $33 \div 11 = 3$ · $50 \div 10 = 5$ · $42 \div 7 = 6$ · $90 \div 10 = 9$ · $7 \div 7 = 1$ · $72 \div 6 = 12$ · $121 \div 11 = 11$