The Great Meme Vault Heist

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

Detective: _____ **Date:** _____

A mysterious villain broke into the Digital Meme Museum and stole the legendary Golden Gyatt Trophy! Security cameras recorded clues about the thief's skills, gear, and habits. Use your detective math to uncover who did it.

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 Meme Bandit is _____

Possible suspects

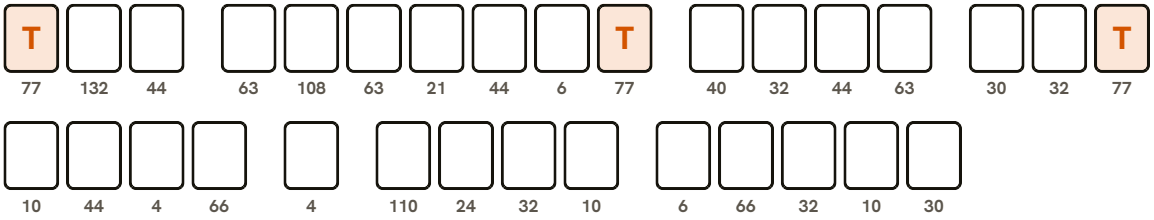
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	PRIMARY SKILL	SPECIAL GEAR	DOMINANT HAND	HAIRSTYLE	WEAKNESS
Echo Energy	Fanum Dodge	Laser Glasses	Right Handed	Curly Blue Hair	Loud Horns
Giga Gabe	Sigma Stare	Cyber Watch	Left Handed	Spiky Neon Hair	Static Sounds
Ollie Ohio	Mewing Streak	Cyber Watch	Left Handed	Curly Blue Hair	Static Sounds
Jax Jett	Sigma Stare	Laser Glasses	Right Handed	Spiky Neon Hair	Bright Lights
Nico Neon	Sigma Stare	Laser Glasses	Right Handed	Spiky Neon Hair	Loud Horns
Hunter Hype	Ohio Warp	Glow Crown	Left Handed	Curly Blue Hair	Loud Horns
Ian Infinite	Mewing Streak	Golden Mic	Left Handed	Curly Blue Hair	Loud Horns
Milo Meme	Rizz Glow	Golden Mic	Left Handed	Sleek Silver Hair	Loud Horns
Cody Cyber	Mewing Streak	Laser Glasses	Left Handed	Spiky Neon Hair	Bright Lights
Skyler Sigma	Sigma Stare	Laser Glasses	Right Handed	Curly Blue Hair	Static Sounds
Leo Laser	Fanum Dodge	Laser Glasses	Left Handed	Curly Blue Hair	Static Sounds
Zack Zoom	Ohio Warp	Cyber Watch	Left Handed	Curly Blue Hair	Static Sounds
Pax Pulse	Sigma Stare	Glow Crown	Left Handed	Curly Blue Hair	Static Sounds
Alex Alpha	Mewing Streak	Golden Mic	Left Handed	Sleek Silver Hair	Bright Lights
Blaze Pixel	Ohio Warp	Golden Mic	Right Handed	Spiky Neon Hair	Bright Lights
Rocco Rizz	Ohio Warp	Cyber Watch	Right Handed	Curly Blue Hair	Bright Lights
Tate Turbo	Ohio Warp	Laser Glasses	Left Handed	Spiky Neon Hair	Bright Lights
Finn Flash	Sigma Stare	Golden Mic	Left Handed	Curly Blue Hair	Static Sounds
Dash Drift	Rizz Glow	Cyber Watch	Left Handed	Spiky Neon Hair	Loud Horns
Vince Viral	Ohio Warp	Golden Mic	Left Handed	Sleek Silver Hair	Loud Horns
Wyatt Wave	Mewing Streak	Laser Glasses	Right Handed	Curly Blue Hair	Bright Lights

CLUE 1 Multiplication facts (1-12)

> We examined the security grid where viral displays are arranged in equal rows and columns.

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



7 × 11 = ☐ → T

9 × 7 = ☐ → S

4 × 8 = ☐ → O

7 × 3 = ☐ → P

11 × 6 = ☐ → R

11 × 10 = ☐ → G

2 × 5 = ☐ → W

10 × 4 = ☐ → D

11 × 4 = ☐ → E

4 × 1 = ☐ → A

3 × 2 = ☐ → C

6 × 5 = ☐ → N

4 × 6 = ☐ → L

9 × 12 = ☐ → U

12 × 11 = ☐ → H

Scratch space:

CLUE 2 Subtraction

We calculated the remaining bandwidth after subtracting the corrupted vault files.

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



10560 - 4907 = ☐ → W

10834 - 2660 = ☐ → N

2811 - 1552 = ☐ → D

10990 - 4260 = ☐ → F

9275 - 3946 = ☐ → V

3437 - 1868 = ☐ → S

4877 - 1290 = ☐ → L

1477 - 77 = ☐ → H

8641 - 899 = ☐ → T

7788 - 2384 = ☐ → A

7703 - 2418 = ☐ → E

9474 - 2703 = ☐ → I

Scratch space:

CLUE 3 Addition

> We added together the access logs from both the front entrance and the mainframe door.

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



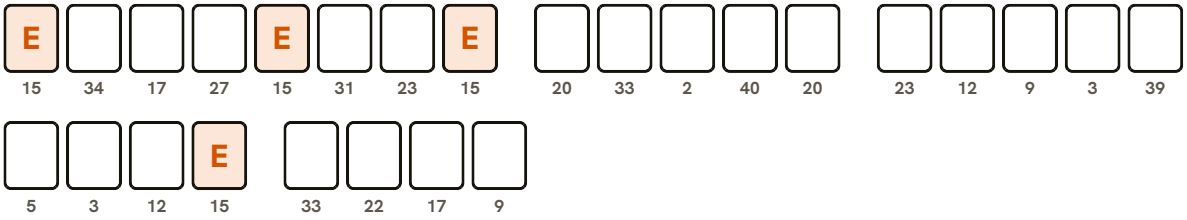
2838 + 5665 = ☐ → T	1031 + 1151 = ☐ → H	1257 + 1188 = ☐ → Y
2480 + 2776 = ☐ → A	2980 + 2470 = ☐ → P	6252 + 2714 = ☐ → N
1477 + 2101 = ☐ → I	3503 + 1721 = ☐ → C	2498 + 2486 = ☐ → U
5185 + 3063 = ☐ → B	4891 + 2913 = ☐ → W	3430 + 6321 = ☐ → O
4406 + 5071 = ☐ → D	3094 + 3996 = ☐ → S	3933 + 3407 = ☐ → E
2311 + 2252 = ☐ → V	1990 + 1207 = ☐ → L	

Scratch space:

CLUE 4 Fractions of a number

> We calculated a fraction of the total meme audio clips stored in the sound vault.

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



3/10 of 50 = ☐ → **E**

2/6 of 15 = ☐ → **B**

2/3 of 51 = ☐ → **V**

2/3 of 33 = ☐ → **A**

1/2 of 6 = ☐ → **L**

4/8 of 34 = ☐ → **I**

2/8 of 36 = ☐ → **R**

2/5 of 5 = ☐ → **O**

3/8 of 88 = ☐ → **H**

1/4 of 124 = ☐ → **N**

5/6 of 48 = ☐ → **W**

1/2 of 46 = ☐ → **C**

3/5 of 45 = ☐ → **D**

2/3 of 18 = ☐ → **U**

3/10 of 130 = ☐ → **Y**

3/6 of 40 = ☐ → **S**

Scratch space:

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

> We divided the signal data equally among our analysis screens to pinpoint the thief.

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:

9 ÷ 9 = ☐	40 ÷ 8 = ☐	9 ÷ 1 = ☐	12 ÷ 4 = ☐	22 ÷ 2 = ☐
12 ÷ 6 = ☐	77 ÷ 11 = ☐	108 ÷ 9 = ☐	48 ÷ 6 = ☐	110 ÷ 11 = ☐
36 ÷ 9 = ☐				

Step 2 - cross out the sentence with each answer:

1. The villain opened an ohio warp, then tapped the cyber watch.
2. The villain activated the rizz glow, then grabbed the golden mic.
3. The villain maintained the mewing streak, then donned the glow crown.
4. The villain opened an ohio warp, then adjusted the laser glasses.
5. The villain performed the fanum dodge, then adjusted the laser glasses.
6. The villain maintained the mewing streak, then tapped the cyber watch.
7. The villain activated the rizz glow, then donned the glow crown.
8. The villain used the sigma stare, then donned the glow crown.
9. The villain used the sigma stare, then grabbed the golden mic.
10. The villain activated the rizz glow, then tapped the cyber watch.
11. The villain used the sigma stare, then adjusted the laser glasses.
12. The villain maintained the mewing streak, then grabbed the golden mic.

TEACHER / PARENT

Answer Key

The Great Meme Vault Heist

Culprit: Ollie Ohio

Mewing Streak · Cyber Watch · Left Handed · Curly Blue Hair · Static Sounds

Trail: Start 21 → Clue 1 19 → Clue 2 12 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE SUSPECT DOES NOT WEAR A GLOW CROWN"

7 × 11 = 77 (T) · 9 × 7 = 63 (S) · 4 × 8 = 32 (O) · 7 × 3 = 21 (P) · 11 × 6 = 66 (R) · 11 × 10 = 110 (G) · 2 × 5 = 10 (W) · 10 × 4 = 40 (D) · 11 × 4 = 44 (E) · 4 × 1 = 4 (A) · 3 × 2 = 6 (C) · 6 × 5 = 30 (N) · 4 × 6 = 24 (L) · 9 × 12 = 108 (U) · 12 × 11 = 132 (H)

Clue 2 (Subtraction): "WITNESS SAW A LEFT HANDED VILLAIN"

10560 - 4907 = 5653 (W) · 10834 - 2660 = 8174 (N) · 2811 - 1552 = 1259 (D) · 10990 - 4260 = 6730 (F) · 9275 - 3946 = 5329 (V) · 3437 - 1868 = 1569 (S) · 4877 - 1290 = 3587 (L) · 1477 - 77 = 1400 (H) · 8641 - 899 = 7742 (T) · 7788 - 2384 = 5404 (A) · 7703 - 2418 = 5285 (E) · 9474 - 2703 = 6771 (I)

Clue 3 (Addition): "THE VILLAIN WAS STOPPED BY STATIC SOUNDS"

2838 + 5665 = 8503 (T) · 1031 + 1151 = 2182 (H) · 1257 + 1188 = 2445 (Y) · 2480 + 2776 = 5256 (A) · 2980 + 2470 = 5450 (P) · 6252 + 2714 = 8966 (N) · 1477 + 2101 = 3578 (I) · 3503 + 1721 = 5224 (C) · 2498 + 2486 = 4984 (U) · 5185 + 3063 = 8248 (B) · 4891 + 2913 = 7804 (W) · 3430 + 6321 = 9751 (O) · 4406 + 5071 = 9477 (D) · 3094 + 3996 = 7090 (S) · 3933 + 3407 = 7340 (E) · 2311 + 2252 = 4563 (V) · 1990 + 1207 = 3197 (L)

Clue 4 (Fractions of a number): "EVIDENCE SHOWS CURLY BLUE HAIR"

3/10 of 50 = 15 (E) · 2/6 of 15 = 5 (B) · 2/3 of 51 = 34 (V) · 2/3 of 33 = 22 (A) · 1/2 of 6 = 3 (L) · 4/8 of 34 = 17 (I) · 2/8 of 36 = 9 (R) · 2/5 of 5 = 2 (O) · 3/8 of 88 = 33 (H) · 1/4 of 124 = 31 (N) · 5/6 of 48 = 40 (W) · 1/2 of 46 = 23 (C) · 3/5 of 45 = 27 (D) · 2/3 of 18 = 12 (U) · 3/10 of 130 = 39 (Y) · 3/6 of 40 = 20 (S)

Clue 5 (Division facts (1-12)): surviving statement is box 6 → Ollie Ohio

9 ÷ 9 = 1 · 40 ÷ 8 = 5 · 9 ÷ 1 = 9 · 12 ÷ 4 = 3 · 22 ÷ 2 = 11 · 12 ÷ 6 = 2 · 77 ÷ 11 = 7 · 108 ÷ 9 = 12 · 48 ÷ 6 = 8 · 110 ÷ 11 = 10 · 36 ÷ 9 = 4