



The Case of the Missing Golden Gyatt Trophy

Grade 10 math · Pythagorean theorem, Multi-step word problems, Word problems, Bar models, Division · Reading level grades 7-9

Detective: _____ Date: _____

During a massive livestream event at the Ohio Content House, someone swiped the coveted Golden Gyatt Trophy right off the main set. The detective squad must review the stream clips and solve the clues to bust the culprit.

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 brainrot bandit is _____

Possible suspects

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

NAME	SIGNATURE MEME	STREAM FLEX	STREAM STANCE	HAIRSTYLE	CRINGE TRIGGER
Jynxzi	Grimace Shake	Cyber Truck	Left Handed	Buzz Cut with Zigzags	Touch Grass Challenge
IShowSpeed	Fanum Taxing	Neon Gaming Chair	Left Handed	Slicked Back Pompadour	Boomer Jokes
SubToMe	Skibidi Spin	Gold Play Button	Right Handed	Slicked Back Pompadour	Baby Shark Song
MoistCrumpet	Fanum Taxing	Custom Bus	Left Handed	Fluffy Broccoli Cut	Touch Grass Challenge
xQc	Mewing Streak	Gold Play Button	Right Handed	Fluffy Broccoli Cut	Boomer Jokes
Ninja	Fanum Taxing	Gold Play Button	Left Handed	Slicked Back Pompadour	Baby Shark Song
GigaChad	Grimace Shake	Neon Gaming Chair	Right Handed	Fluffy Broccoli Cut	Touch Grass Challenge
Mewing Max	Mewing Streak	Gold Play Button	Right Handed	Fluffy Broccoli Cut	Baby Shark Song
Ludwig	Skibidi Spin	Diamond Chain	Left Handed	Buzz Cut with Zigzags	Touch Grass Challenge
Duke Dennis	Mewing Streak	Neon Gaming Chair	Right Handed	Slicked Back Pompadour	Baby Shark Song
CaseOh	Mewing Streak	Cyber Truck	Left Handed	Slicked Back Pompadour	Baby Shark Song
Kai Cenat	Fanum Taxing	Custom Bus	Right Handed	Slicked Back Pompadour	Baby Shark Song
Sigma Sam	Infinite Rizz	Cyber Truck	Right Handed	Buzz Cut with Zigzags	Baby Shark Song
Rizz Ryan	Grimace Shake	Diamond Chain	Left Handed	Slicked Back Pompadour	Boomer Jokes
Ohio Owen	Skibidi Spin	Cyber Truck	Left Handed	Slicked Back Pompadour	Boomer Jokes
Amp Davis	Mewing Streak	Diamond Chain	Right Handed	Buzz Cut with Zigzags	Baby Shark Song
Sketch	Infinite Rizz	Custom Bus	Left Handed	Slicked Back Pompadour	Baby Shark Song
Pokimane	Mewing Streak	Cyber Truck	Right Handed	Fluffy Broccoli Cut	Touch Grass Challenge
Clix	Mewing Streak	Gold Play Button	Left Handed	Slicked Back Pompadour	Baby Shark Song
Fanum	Mewing Streak	Neon Gaming Chair	Left Handed	Slicked Back Pompadour	Baby Shark Song
Ray Asian	Skibidi Spin	Gold Play Button	Left Handed	Fluffy Broccoli Cut	Baby Shark Song

CLUE 1

Pythagorean theorem

To analyze the audience overlap between streams, the moderators drew a bar model comparing chat engagement across channels.

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

T																T
52	26	34	82	125	75	75	37	125	65	87	29	34	10	65	29	52
										T						
26	37	82	34	37	13	30	5	34	116	52	116	15	13	100		

legs 20 and 48, hypotenuse = → **T**

legs 10 and 24, hypotenuse = → **H**

legs 35 and 120, hypotenuse = → **I**

legs 25 and 60, hypotenuse = → **N**

legs 18 and 24, hypotenuse = → **Y**

legs 9 and 12, hypotenuse = → **U**

legs 12 and 35, hypotenuse = → **A**

legs 16 and 30, hypotenuse = → **E**

legs 18 and 80, hypotenuse = → **V**

legs 5 and 12, hypotenuse = → **C**

legs 80 and 84, hypotenuse = → **R**

legs 21 and 72, hypotenuse = → **L**

legs 3 and 4, hypotenuse = → **B**

legs 28 and 96, hypotenuse = → **K**

legs 60 and 63, hypotenuse = → **D**

legs 6 and 8, hypotenuse = → **S**

legs 20 and 21, hypotenuse = → **O**

Scratch space:

CLUE 2

Multi-step word problems

The tech crew calculated total bit donations across multiple streaming sessions to figure out who spent money on escape gear.

Solve each problem, then write its letter in the boxes to fill in the missing word.

A witness saw the villain was L D D .

10 22 47 43 65 67 71 22

Streamer earned 3 energy drinks in each of 5 rounds, plus 0 bonus energy drinks. Then 5 energy drinks were lost. How many energy drinks are left?

Answer: → L

There were 125 soundboards in all. 1 content creators used 15 soundboards each. The other 5 content creators shared the rest equally. How many soundboards did each of the other content creators get?

Answer: → E

Streamer filled 3 boxes with 9 gaming headsets each, then found 38 more gaming headsets. How many gaming headsets are there in all?

Answer: → H

Streamer collected 144 energy drinks in the morning and 282 energy drinks in the afternoon, then split them equally among 6 content creators. How many energy drinks did each get?

Answer: → N

Streamer earned 8 foam fingers in each of 6 rounds, plus 24 bonus foam fingers. Then 5 foam fingers were lost. How many foam fingers are left?

Answer: → A

Streamer earned 4 LED ring lights in each of 6 rounds, plus 38 bonus LED ring lights. Then 15 LED ring lights were lost. How many LED ring lights are left?

Answer: → F

Streamer collected 67 energy drinks in the morning and 19 energy drinks in the afternoon, then split them equally among 2 content creators. How many energy drinks did each get?

Answer: → T

Scratch space:

CLUE 3

Word problems

Security reviewed the viewer count totals to narrow down when the trophy went missing from the main stage.

Solve each problem, then write its letter in the boxes to fill in the missing word.

Someone scared the villain off with

B		B								O	N	G
51	71	51	18	64	23	71	46	26	64			

There were 68 LED ring lights. 17 were used up. How many LED ring lights are left?

Answer: → **B**

Streamer found 52 LED ring lights yesterday and 19 more today. How many LED ring lights in all?

Answer: → **A**

Streamer found 4 LED ring lights yesterday and 22 more today. How many LED ring lights in all?

Answer: → **K**

Streamer lined up 2 rows of 9 foam fingers. How many foam fingers in all?

Answer: → **Y**

Streamer found 15 energy drinks yesterday and 49 more today. How many energy drinks in all?

Answer: → **S**

Streamer found 36 LED ring lights yesterday and 10 more today. How many LED ring lights in all?

Answer: → **R**

Streamer found 16 soundboards yesterday and 7 more today. How many soundboards in all?

Answer: → **H**

Scratch space:

CLUE 4

Bar model word problems

The security drone measured the direct distance across the square stream room to track the escape vector.

Draw a bar model to solve each word problem, then write its letter in the boxes to fill in the missing word.

A strand of

S B A P O M P A O U R hair

12 116 143 37 33 124 57 37 33 57

turned up at the scene.

Streamer has 4 times as many energy drinks as a teammate. The teammate has 3 energy drinks. How many energy drinks does streamer have?

draw a bar model

Answer: → S

Streamer shares 114 energy drinks equally among 2 teams. How many energy drinks does each team get?

draw a bar model

Answer: → D

The red team has 44 gaming headsets and the blue team has 7 gaming headsets. How many more gaming headsets does the red team have?

draw a bar model

Answer: → C

The red team has 125 gaming headsets and the blue team has 1 gaming headsets. How many more gaming headsets does the red team have?

draw a bar model

Answer: → E

One group collected 17 foam fingers and another group collected 99 foam fingers. How many foam fingers in all?

draw a bar model

Answer: → L

One group collected 57 gaming headsets and another group collected 86 gaming headsets. How many gaming headsets in all?

draw a bar model

Answer: → I

The red team has 56 foam fingers and the blue team has 23 foam fingers. How many more foam fingers does the red team have?

draw a bar model

Answer: → **K**

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

The mods divided the leftover chat points equally among the moderators to track down extra suspicious accounts.

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:

$9 \div 1 = \boxed{}$

$21 \div 3 = \boxed{}$

$32 \div 4 = \boxed{}$

$32 \div 8 = \boxed{}$

$10 \div 1 = \boxed{}$

$6 \div 2 = \boxed{}$

$44 \div 4 = \boxed{}$

$96 \div 8 = \boxed{}$

$11 \div 11 = \boxed{}$

$10 \div 5 = \boxed{}$

$72 \div 12 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain spilled a purple grimace shake, then flashed a huge diamond chain.
2. The villain locked in a silent mewing streak, then escaped inside a custom bus.
3. The villain did a fast skibidi spin, then escaped inside a custom bus.
4. The villain executed a sneaky fanum tax, then escaped inside a custom bus.
5. The villain activated infinite rizz on camera, then escaped inside a custom bus.
6. The villain executed a sneaky fanum tax, then flashed a huge diamond chain.
7. The villain locked in a silent mewing streak, then spun around in a neon gaming chair.
8. The villain executed a sneaky fanum tax, then showed off a shiny gold play button.
9. The villain locked in a silent mewing streak, then showed off a shiny gold play button.
10. The villain executed a sneaky fanum tax, then spun around in a neon gaming chair.
11. The villain spilled a purple grimace shake, then spun around in a neon gaming chair.
12. The villain did a fast skibidi spin, then drove away in a loud cyber truck.

Answer Key

The Case of the Missing Golden Gyatt Trophy

Culprit: Sketch

Infinite Rizz · Custom Bus · Left Handed · Slicked Back Pompadour · Baby Shark Song

Trail: Start 21 → Clue 1 16 → Clue 2 9 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Pythagorean theorem): "THE VILLAIN DOES NOT HAVE A CYBER TRUCK"

legs 20 and 48, hypotenuse = 52 (T) · legs 10 and 24, hypotenuse = 26 (H) · legs 35 and 120, hypotenuse = 125 (I) · legs 25 and 60, hypotenuse = 65 (N) · legs 18 and 24, hypotenuse = 30 (Y) · legs 9 and 12, hypotenuse = 15 (U) · legs 12 and 35, hypotenuse = 37 (A) · legs 16 and 30, hypotenuse = 34 (E) · legs 18 and 80, hypotenuse = 82 (V) · legs 5 and 12, hypotenuse = 13 (C) · legs 80 and 84, hypotenuse = 116 (R) · legs 21 and 72, hypotenuse = 75 (L) · legs 3 and 4, hypotenuse = 5 (B) · legs 28 and 96, hypotenuse = 100 (K) · legs 60 and 63, hypotenuse = 87 (D) · legs 6 and 8, hypotenuse = 10 (S) · legs 20 and 21, hypotenuse = 29 (O)

Clue 2 (Multi-step word problems): "LEFT HANDED"

Streamer earned 3 energy drinks in each of 5 rounds, plus 0 bonus energy drinks. Then 5 energy drinks were lost. How many energy drinks are left? = 10 (L) · There were 125 soundboards in all. 1 content creators used 15 soundboards each. The other 5 content creators shared the rest equally. How many soundboards did each of the other content creators get? = 22 (E) · Streamer filled 3 boxes with 9 gaming headsets each, then found 38 more gaming headsets. How many gaming headsets are there in all? = 65 (H) · Streamer collected 144 energy drinks in the morning and 282 energy drinks in the afternoon, then split them equally among 6 content creators. How many energy drinks did each get? = 71 (N) · Streamer earned 8 foam fingers in each of 6 rounds, plus 24 bonus foam fingers. Then 5 foam fingers were lost. How many foam fingers are left? = 67 (A) · Streamer earned 4 LED ring lights in each of 6 rounds, plus 38 bonus LED ring lights. Then 15 LED ring lights were lost. How many LED ring lights are left? = 47 (F) · Streamer collected 67 energy drinks in the morning and 19 energy drinks in the afternoon, then split them equally among 2 content creators. How many energy drinks did each get? = 43 (T)

Clue 3 (Word problems): "BABY SHARK SONG"

There were 68 LED ring lights. 17 were used up. How many LED ring lights are left? = 51 (B) · Streamer found 52 LED ring lights yesterday and 19 more today. How many LED ring lights in all? = 71 (A) · Streamer found 4 LED ring lights yesterday and 22 more today. How many LED ring lights in all? = 26 (K) · Streamer lined up 2 rows of 9 foam fingers. How many foam fingers in all? = 18 (Y) · Streamer found 15 energy drinks yesterday and 49 more today. How many energy drinks in all? = 64 (S) · Streamer found 36 LED ring lights yesterday and 10 more today. How many LED ring lights in all? = 46 (R) · Streamer found 16 soundboards yesterday and 7 more today. How many soundboards in all? = 23 (H)

Clue 4 (Bar model word problems): "SLICKED BACK POMPADOUR"

Streamer has 4 times as many energy drinks as a teammate. The teammate has 3 energy drinks. How many energy drinks does streamer have? = 12 (S) · Streamer shares 114 energy drinks equally among 2 teams. How many energy drinks does each team get? = 57 (D) · The red team has 44 gaming headsets and the blue team has 7 gaming headsets. How many more gaming headsets does the red team have? = 37 (C) · The red team has 125 gaming headsets and the blue team has 1 gaming headsets. How many more gaming headsets does the red team have? = 124 (E) · One group collected 17 foam fingers and another group collected 99 foam fingers. How many foam fingers in all? = 116 (L) · One group collected 57 gaming headsets and another group collected 86 gaming headsets. How many gaming headsets in all? = 143 (I) · The red team has 56 foam fingers and the blue team has 23 foam fingers. How many more foam fingers does the red team have? = 33 (K)

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

$9 \div 1 = 9$ · $21 \div 3 = 7$ · $32 \div 4 = 8$ · $32 \div 8 = 4$ · $10 \div 1 = 10$ · $6 \div 2 = 3$ · $44 \div 4 = 11$ · $96 \div 8 = 12$ · $11 \div 11 = 1$ · $10 \div 5 = 2$ · $72 \div 12 = 6$