



The Backstage Bloodline Mystery

Grade 10 math · Place value, Multi-step word problems, Word problems, Bar models, Missing addends · Reading level grades 7-9

Detective: _____ Date: _____

The Bloodline locker room has been ransacked! The General Manager has been locked in a gear crate, and the Tribal Chief is absolutely furious. We need to find the culprit before the main event begins.

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 backstage intruder is _____

Possible suspects

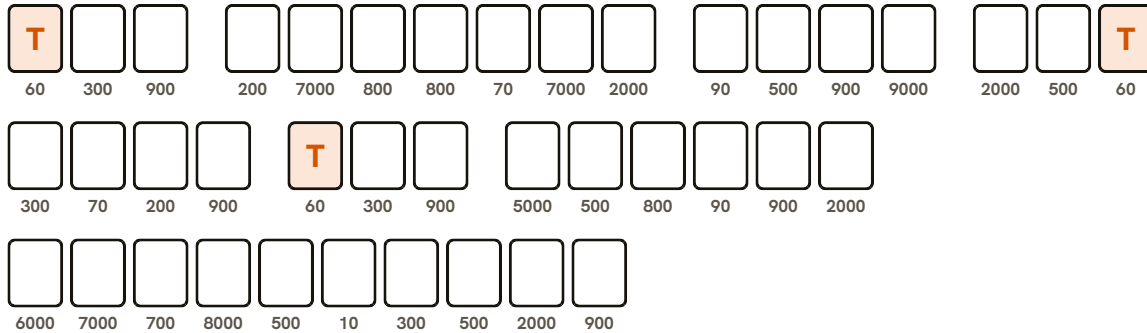
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	SIGNATURE MOVE	STOLEN CHAMPIONSHIP GEAR	FIGHTING STANCE	HAIR STYLE	SUDDEN DISTRACTION
Paul Heyman	Tight Guillotine	Tag Team Belt	Right-handed stance	Wild curls	Blinding lights
Shinsuke Nakamura	Tight Guillotine	Tag Team Belt	Right-handed stance	Slicked back	Blinding lights
Roman Reigns	Tight Guillotine	Red Solo Cup	Left-handed stance	Tightly braided	Steel chair clang
Logan Paul	Samoan Spike	Red Solo Cup	Left-handed stance	Wild curls	Blinding lights
Tonga Loa	Samoan Spike	Red Solo Cup	Left-handed stance	Wild curls	Loud crowd boos
Kevin Owens	Helluva Kick	Ula Fala Necklace	Left-handed stance	Wild curls	Loud crowd boos
Gunther	Double Superkick	Ula Fala Necklace	Left-handed stance	Wild curls	Blinding lights
Randy Orton	Running Spear	Red Solo Cup	Right-handed stance	Tightly braided	Blinding lights
Jacob Fatu	Running Spear	Undisputed Title	Left-handed stance	Slicked back	Loud crowd boos
Jimmy Uso	Double Superkick	Undisputed Title	Left-handed stance	Slicked back	Blinding lights
Rey Mysterio	Tight Guillotine	Ula Fala Necklace	Left-handed stance	Wild curls	Blinding lights
Damian Priest	Helluva Kick	Undisputed Title	Right-handed stance	Wild curls	Loud crowd boos
AJ Styles	Tight Guillotine	Tag Team Belt	Left-handed stance	Wild curls	Blinding lights
Drew McIntyre	Samoan Spike	Red Solo Cup	Right-handed stance	Wild curls	Steel chair clang
Finn Balor	Samoan Spike	Golden Microphone	Left-handed stance	Wild curls	Blinding lights
Sami Zayn	Double Superkick	Red Solo Cup	Right-handed stance	Tightly braided	Loud crowd boos
Jey Uso	Tight Guillotine	Undisputed Title	Left-handed stance	Slicked back	Steel chair clang
Seth Rollins	Double Superkick	Tag Team Belt	Left-handed stance	Slicked back	Blinding lights
Bobby Lashley	Double Superkick	Undisputed Title	Right-handed stance	Slicked back	Steel chair clang
Tama Tonga	Running Spear	Red Solo Cup	Right-handed stance	Slicked back	Loud crowd boos
The Rock	Tight Guillotine	Tag Team Belt	Right-handed stance	Slicked back	Steel chair clang

CLUE 1 Place value

We compare the arena ticket sales using a bar model. The chart reveals a mismatch in security wristbands, showing us exactly what gear the intruder did not take.

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



What is the value of the 6 in 92,565?

→ **T**

What is the value of the 8 in 11,844?

→ **L**

What is the value of the 7 in 82,791?

→ **C**

What is the value of the 2 in 902,393?

→ **N**

What is the value of the 1 in 254,919?

→ **P**

What is the value of the 6 in 26,583?

→ **M**

What is the value of the 5 in 15,777?

→ **G**

What is the value of the 9 in 179,307?

→ **S**

What is the value of the 2 in 568,299?

→ **V**

What is the value of the 5 in 734,549?

→ **O**

What is the value of the 8 in 98,402?

→ **R**

What is the value of the 9 in 45,917?

→ **E**

What is the value of the 9 in 425,796?

→ **D**

What is the value of the 7 in 27,952?

→ **I**

What is the value of the 7 in 65,570?

→ **A**

What is the value of the 3 in 596,341?

→ **H**

Scratch space:

CLUE 2

Multi-step word problems

To check the backstage security cameras, we must solve a multi-step problem to calculate the total frames recorded. The footage reveals the intruder's fighting stance.

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	S				C	
34	43	86	55	29	14	50	43			55	14	50		43	

Wrestling fan earned 2 VIP passes in each of 3 rounds, plus 40 bonus VIP passes. Then 12 VIP passes were lost. How many VIP passes are left?

Answer: → **L**

There were 276 championship belts in all. 15 championship belts were set aside. The rest were shared equally among 9 SmackDown crew. How many championship belts did each get?

Answer: → **H**

There were 700 VIP passes in all. 12 VIP passes were set aside. The rest were shared equally among 8 SmackDown crew. How many VIP passes did each get?

Answer: → **F**

There were 464 energy drinks in all. 34 energy drinks were set aside. The rest were shared equally among 10 SmackDown crew. How many energy drinks did each get?

Answer: → **E**

There were 393 championship belts in all. 8 championship belts were set aside. The rest were shared equally among 7 SmackDown crew. How many championship belts did each get?

Answer: → **T**

Wrestling fan filled 4 boxes with 3 energy drinks each, then found 2 more energy drinks. How many energy drinks are there in all?

Answer: → **A**

Wrestling fan collected 74 autograph cards in the morning and 76 autograph cards in the afternoon, then split them equally among 3 SmackDown crew. How many autograph cards did each get?

Answer: → **N**

Scratch space:

CLUE 3

Word problems

The locker room crew calculates the weight of the gym bags. This quick word problem reveals a clue about the hair left behind on the bench.

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

Someone scared the villain off with

B															T	S	.
41	66	69	42	73	69	42	27	66	69	27	67						

Wrestling fan found 32 VIP passes yesterday and 9 more today. How many VIP passes in all?

Answer: → **B**

Wrestling fan lined up 7 rows of 6 energy drinks. How many energy drinks in all?

Answer: → **N**

There were 90 autograph cards. 17 were used up. How many autograph cards are left?

Answer: → **D**

Wrestling fan found 61 folding chairs yesterday and 8 more today. How many folding chairs in all?

Answer: → **I**

Wrestling fan found 39 energy drinks yesterday and 28 more today. How many energy drinks in all?

Answer: → **H**

Wrestling fan lined up 11 rows of 6 VIP passes. How many VIP passes in all?

Answer: → **L**

There were 37 autograph cards. 10 were used up. How many autograph cards are left?

Answer: → **G**

Scratch space:

CLUE 4

Bar model word problems

The catering manager looks at a large digit on the digital lock. Comparing the place value of the code digits opens the drawer containing a report on the intruder's distraction.

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 W S hair turned up at the scene.

82 28 34 73 95 139 36 34

Wrestling fan shares 164 folding chairs equally among 2 teams. How many folding chairs does each team get?

draw a bar model

Answer: → W

One group collected 43 energy drinks and another group collected 30 energy drinks. How many energy drinks in all?

draw a bar model

Answer: → D

Wrestling fan has 68 folding chairs, packed 2 to a bag. How many bags can be filled?

draw a bar model

Answer: → L

Wrestling fan has 9 times as many championship belts as a teammate. The teammate has 4 championship belts. How many championship belts does wrestling fan have?

draw a bar model

Answer: → R

Wrestling fan used $\frac{4}{5}$ of the folding chairs on the first day. The other 19 folding chairs were used the next day. How many folding chairs were there in all?

draw a bar model

Answer: → C

Wrestling fan shares 224 championship belts equally among 8 teams. How many championship belts does each team get?

draw a bar model

Answer: → I

The red team has 143 autograph cards and the blue team has 4 autograph cards. How many more autograph cards does the red team have?

draw a bar model

Answer: → U

CLUE 5**Missing addends - the last clue**

We need to find the missing number of championship plates to balance the display case. Solving this missing addend puzzle gives us the final detail we need.

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:

$25 + \underline{\quad} = 36$

$30 + \underline{\quad} = 40$

$19 + \underline{\quad} = 31$

$2 + \underline{\quad} = 6$

$9 + \underline{\quad} = 18$

$39 + \underline{\quad} = 44$

$28 + \underline{\quad} = 31$

$31 + \underline{\quad} = 37$

$9 + \underline{\quad} = 16$

$17 + \underline{\quad} = 18$

$31 + \underline{\quad} = 33$

Step 2 - cross out the sentence with each answer:

1. The villain executes a running spear, then grabs the Tag Team Belt.
2. The villain lands a double superkick, then knocks over the Red Solo Cup.
3. The villain delivers a Samoan spike, then steals the heavy Undisputed Title.
4. The villain delivers a Samoan spike, then takes the Golden Microphone.
5. The villain delivers a Samoan spike, then swipes the legendary Ula Fala.
6. The villain lands a double superkick, then steals the heavy Undisputed Title.
7. The villain applies a tight guillotine, then steals the heavy Undisputed Title.
8. The villain lands a double superkick, then swipes the legendary Ula Fala.
9. The villain unleashes a Helluva kick, then takes the Golden Microphone.
10. The villain applies a tight guillotine, then grabs the Tag Team Belt.
11. The villain applies a tight guillotine, then swipes the legendary Ula Fala.
12. The villain delivers a Samoan spike, then knocks over the Red Solo Cup.

Answer Key

The Backstage Bloodline Mystery

Culprit: Gunther

Double Superkick · Ula Fala Necklace · Left-handed stance · Wild curls · Blinding lights

Trail: Start 21 → Clue 1 20 → Clue 2 11 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE VILLAIN DOES NOT HAVE THE GOLDEN MICROPHONE"

What is the value of the 6 in 92,565? = 60 (T) · What is the value of the 8 in 11,844? = 800 (L) · What is the value of the 7 in 82,791? = 700 (C) · What is the value of the 2 in 902,393? = 2000 (N) · What is the value of the 1 in 254,919? = 10 (P) · What is the value of the 6 in 26,583? = 6000 (M) · What is the value of the 5 in 15,777? = 5000 (G) · What is the value of the 9 in 179,307? = 9000 (S) · What is the value of the 2 in 568,299? = 200 (V) · What is the value of the 5 in 734,549? = 500 (O) · What is the value of the 8 in 98,402? = 8000 (R) · What is the value of the 9 in 45,917? = 900 (E) · What is the value of the 9 in 425,796? = 90 (D) · What is the value of the 7 in 27,952? = 7000 (I) · What is the value of the 7 in 65,570? = 70 (A) · What is the value of the 3 in 596,341? = 300 (H)

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

Wrestling fan earned 2 VIP passes in each of 3 rounds, plus 40 bonus VIP passes. Then 12 VIP passes were lost. How many VIP passes are left? = 34 (L) · There were 276 championship belts in all. 15 championship belts were set aside. The rest were shared equally among 9 SmackDown crew. How many championship belts did each get? = 29 (H) · There were 700 VIP passes in all. 12 VIP passes were set aside. The rest were shared equally among 8 SmackDown crew. How many VIP passes did each get? = 86 (F) · There were 464 energy drinks in all. 34 energy drinks were set aside. The rest were shared equally among 10 SmackDown crew. How many energy drinks did each get? = 43 (E) · There were 393 championship belts in all. 8 championship belts were set aside. The rest were shared equally among 7 SmackDown crew. How many championship belts did each get? = 55 (T) · Wrestling fan filled 4 boxes with 3 energy drinks each, then found 2 more energy drinks. How many energy drinks are there in all? = 14 (A) · Wrestling fan collected 74 autograph cards in the morning and 76 autograph cards in the afternoon, then split them equally among 3 SmackDown crew. How many autograph cards did each get? = 50 (N)

Clue 3 (Word problems): "BLINDING LIGHTS"

Wrestling fan found 32 VIP passes yesterday and 9 more today. How many VIP passes in all? = 41 (B) · Wrestling fan lined up 7 rows of 6 energy drinks. How many energy drinks in all? = 42 (N) · There were 90 autograph cards. 17 were used up. How many autograph cards are left? = 73 (D) · Wrestling fan found 61 folding chairs yesterday and 8 more today. How many folding chairs in all? = 69 (I) · Wrestling fan found 39 energy drinks yesterday and 28 more today. How many energy drinks in all? = 67 (H) · Wrestling fan lined up 11 rows of 6 VIP passes. How many VIP passes in all? = 66 (L) · There were 37 autograph cards. 10 were used up. How many autograph cards are left? = 27 (G)

Clue 4 (Bar model word problems): "WILD CURLS"

Wrestling fan shares 164 folding chairs equally among 2 teams. How many folding chairs does each team get? = 82 (W) · One group collected 43 energy drinks and another group collected 30 energy drinks. How many energy drinks in all? = 73 (D) · Wrestling fan has 68 folding chairs, packed 2 to a bag. How many bags can be filled? = 34 (L) · Wrestling fan has 9 times as many championship belts as a teammate. The teammate has 4 championship belts. How many championship belts does wrestling fan have? = 36 (R) · Wrestling fan used $\frac{4}{5}$ of the folding chairs on the first day. The other 19 folding chairs were used the next day. How many folding chairs were there in all? = 95 (C) · Wrestling fan shares 224 championship belts equally among 8 teams. How many championship belts does each team get? = 28 (I) · The red team has 143 autograph cards and the blue team has 4 autograph cards. How many more autograph cards does the red team have? = 139 (U)

Clue 5 (Missing addends): surviving statement is box 8 → Gunther

$25 + \underline{\quad} = 36 = 11$ · $30 + \underline{\quad} = 40 = 10$ · $19 + \underline{\quad} = 31 = 12$ · $2 + \underline{\quad} = 6 = 4$ · $9 + \underline{\quad} = 18 = 9$ · $39 + \underline{\quad} = 44 = 5$ · $28 + \underline{\quad} = 31 = 3$ · $31 + \underline{\quad} = 37 = 6$ · $9 + \underline{\quad} = 16 = 7$ · $17 + \underline{\quad} = 18 = 1$ · $31 + \underline{\quad} = 33 = 2$